1? → DR ✓

Expedition 341 S. Alaska Margin: U1417 B 1 A 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Logged by: HB, 6-7-13 Date:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0	mud slurry disturbed		7.5YR 5/5					disturbance, drill mud with a little sediment, soupy
6								
10	mud		N4					
20	d. brown mud		10YR 4/2					variable brown colours
30 31								
32								= ash 10YR 3/1
40	d. brown mud		10YR 3/2					
50								
54 56	ash		10YR 3/1					
60	d. brown mud							
70							SS	mud, no bio
78 80								
90			N4					
100	mud							
110								
120								
130								
140								
150								

→ DIV

Expedition 341 S. Alaska Margin: U1417 B 1 2 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-7-13 Date:
0	↓							weakly laminated gray mud	
10	mud								
20									
30			N4						
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150	↓								

in DESCV

Expedition 341 S. Alaska Margin: U1417 | B | 1H | 3 | 3.00 m CSF-A

Site: | Hole: | Core: | Section: | Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: L. Childress	Date: June 7 2013
0				void				0-2: void, destroy.	*clasts present throughout	
10	mud		N4							
20										
30										
40	silt		see →					37: brown layer (10YR, 4/1), silt -38		
50										
60	mud		N4							
70										
80										
90										
100										
110	mud		N4	soupy				109-135: soupy, mod to dest. " - " : void, mod.		
120				void						
130										
140										
150										

in DESC✓

Expedition 341 S. Alaska Margin: U1417 B 1H 4 4.50m CSF-A

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: L. Childress	Date: June 7 2013
0								*clasts, but sparse *structureless		
10	mud		N4							
20										
30										
40										
50	mud		N4							
60				VOID				56-61: void, moderate,		
70	END			VOID				69-70: void, dest.		
80										
90										
100										
110										
120										
130										
140										
150										

in DESC ✓

Expedition 341 S. Alaska Margin: U1417 B 1H CC 5.20m CSF-A

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: L. Childress	Date: June 7 2013
0	mud		N4					*structureless, absent clasts		
		4.5		VOID				4.5-8: void		
10	PAL	8					PAL	8		
		13						13		
20										
30										
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

→ DLV

Expedition 341 S. Alaska Margin: U1417 B 2 1 0 – 150

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB; 6-7-13 Date:
0	disturb mud		7.5YR 5/5					disturbence	
10	mud diatom bears		10YR 3/2					Variable brown colours	
20	??							ash 10YR 3/1	
23									
30	diatom b. ooze							Vert. brown col.	
40			10YR 3/2						
50									
55	ash		10YR 3/1						
57									
60	dark mud								
66.5									
70	mud		N4						
80									
90									
100									
110									
120									
130									
140									
150									

→DL ✓

Expedition 341 S. Alaska Margin: U1417 B 2 2 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-7-13 Date:
0	↓								
10			D4						
20	Mud								
30									
40									
50									
60	↓								
70									
80									
90									
100									
110									
120									
130									
140									
150									

→DL ✓

Expedition 341 S. Alaska Margin: U1417 B 2 3 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0									
	mud								
10								= diatom ooze	
11									
20									
30			N4					mud with one stringer of diatom ooze at 11 cm	
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

⇒DLV

Expedition 341 S. Alaska Margin: U1417 B 2 4 0 - 150

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0									
10	↓								
20	mud								
30	↓		N4						
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

in DESC✓

Expedition 341 S. Alaska Margin: U1417 B 2H 5 11.30m CSF-A

Site: Hole: Core: Section: Top Depth:

Major Lithology: MUD Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: L. Childress	Date: June 7 2013
0								*structureless *clast present, but sparse		
10	mud		N4							
20										
30				void				31-35: void, moderate		
40										
50										
60										
70	mud		N4							
80										
90										
100				void				100-110: void, mod. to destroyed		
110										
120	mud		N4							
130										
140										
150				void				146-147: void, destroyed		

in DESC✓

Expedition 341 S. Alaska Margin: U1417 B 2H 6 12.77 m CSF-A

Site: Hole: Core: Section: Top Depth:

Major Lithology: MUD Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: L. Childress	Date: June 7 2013
0								structureless		
								* clast, present but sparse		
10	mud		N4							
20										
30										
40										
50										
60	mud		N4							
70										
80										
90										
100	mud		N4							
110										
120				VOID				119-122 void, destroyed		
130										
140										
150										

in DESCV

Expedition 341 S. Alaska Margin: U1417 B 2H 7 13.99m CSF-A

Site: Hole: Core: Section: Top Depth:

Major Lithology: MUD Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: L. Childress	Date: June 7 2013
0								*structureless *no clasts		
10										
20	mud		N4							
30										
40										
50	mud		N4							
60				void				62-64, void, destroyed		
70										
80										
90										
100										
110										
120										
130										
140										
150										

in DESC

Expedition 341 S. Alaska Margin: U1417 B 2H CC 14.63m CSF-A

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: L. Childress	Date: June 7 2013
0	mud		N4					slight drilling disturb. - biscuity? soupy with cracks		
10	PAL						PAL	10 15		
20										
30										
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

In DESCV

Expedition 341 S. Alaska Margin: U1417 B 3H 1 11.80m CSF-A

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: L. Childress	Date: June 7 2013
0								*clasts present (sparse below 90cm) intermittent black mottling		
10								- some greenish patches ⇒ fine silt? bioturbation?		
	mud		N4							
20										
30										
40										
50										
	mud		N4							
60										
70			very gradational					~75cm - 150: likely diatom rich, based on Sec 2, 5540		
80										
90										
	mud		N5							
100										
110										
120										
130										
140	mud		N5	VOID				42-48: void, moderate		
150										

in DESCV

Expedition 341 S. Alaska Margin: U1417 | B | 3H | 2 | 13.30m CSF-A

Site: | Hole: | Core: | Section: | Top Depth:

Major Lithology:..... Minor Lithology:.....

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: L. Childress	Date: June 7 2013
0								*clasts present, but sparse		
								intermittent black mottling 0-82cm		
10								10-150: crack, slight		
	mud	black mottling	N5							
20										
30										
40							SS40	→ diatom rich!!		
50										
60	mud		N5							
70										
80		82 sharp								
	mud		N4					*clasts present but sparse		
90										
100								98-101: void, slight		
110										
120										
130	mud		N4							
140										
150										

in DESC✓

Expedition 341 S. Alaska Margin: U1417 B 3H 3 14.80 m CSF-A

Site: Hole: Core: Section: Top Depth:

Major Lithology: MUD Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: L. Childress	Date: June 7 2013
0								*structureless *clasts, but sparse *no bio		
10	mud		N4							
20										
30										
40										
50	mud		N4							
60										
70								70-115=crack, slight to mod.		
80				✓				78-81: void, slight		
90										
100	mud		N4			100-pebble				
110										
120										
130										
140	mud		N4							
150										

CA
1

in DESCV

Expedition 341 S. Alaska Margin: U1417 B 3H 4 16.30m CSF-A

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: L. Childress	Date: June 7 2013
0								black mottling 0-38		
								clast present but sparse		
	mud		N4							
10										
20										
30										
40										
50										
60	mud		N4							
70										
80										
90						93-pebble				
100							53100	⇒ mud(97%) 3% silt ⇒ no biogenic		
	mud		N4							
110										
120										
130								crack, 127-128		
140										
	mud		N4							
150										

→ DL

Expedition 341 S. Alaska Margin: U1417 B 3 5 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HAB, 67-13 Date:
0								bisquited, with voids	
10									
20	mud		N4						
30									
40						clasts, fs, cs, present, scarce			
50	mud		N4						
60									
70									
80									
90	mud		N4						
100									
110									
120									
130									
140									
150									

→DL ✓

Expedition 341 S. Alaska Margin: U1417 B 3 6 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, Date: 6-7-13
0	mud		N4						
10									
20						inter-spersed clast, fs, 1cm			
30	mud		N4						
40									
50						1cm			
60									
70									
80									
90						2cm			
100									
110	VOID							VOID	
110.5									
120									
130									
140									
150									

→DLV

Expedition 341 S. Alaska Margin: U1417 B 3 7 0-60.5

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-7-13 Date:
0									
10	mud		N4			mber= spersed clasts, scarce, fs			
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

in DESCV

Expedition 341 S. Alaska Margin: U1417 B 4H 1 21.30 m CSF-A

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: L. Childress	Date: June 7 2013
0								faint black mottling		
								*clast present, but sparse		
10										
20	mud		N4							
30										
40										
50								clast void? 48-49?		
60			green					⇒diatom ooze?		
70	mud		N4							
80								79-117, crack, slight		
90										
100										
110										
120	mud		N4							
130										
140										
150										

inDESC✓

Expedition 341 S. Alaska Margin: U1417 B 4H 2 22.80m CSF-A

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: L. Childress	Date: June 7 2013
0								*clast present, but sparse		
								7-12: rip up, mod.		
10										
20										
30	mud		N4							
40										
50										
60	mud									
70			N4							
80	gradational.	84						black mottling		
90										
100			N4							
110	mud w/ diatom?									
120										
130										
140										
150								148-150: void, mod.		

in DESC✓

Expedition 341 S. Alaska Margin: U1417 B 4H 3 24.30 m CSF-A

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: L. Childress	Date: June 7 2013
0								0-92: clast drag, slight		
10										
20			N4							
30	mud with diatoms?									
40										
50										
55			sharp!							
60								* weird – overall looks very dark from black mottles, but still Munsell N4		
70			N4*							
80	mud									
90										
100										
110										
120										
130		131								
140	diatom bearing mud		N4							
150										

in DESCV

Expedition 341 S. Alaska Margin: U1417 B 4H 4 25.80 m CSF-A

Site: Hole: Core: Section: Top Depth:

Major Lithology: MUD Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: L. Childress	Date: June 7 2013
0								0-150: saw drag, side, slight to mod.		
	diatom bearing mud							intermittent black mottling, ~~deep~~		
10			N4					clasts present		
20						18-pebble		20: void, drag small		
								crack, slight 26-33		
30										
40										
50										
60	diatom bearing mud		N4							
70										
80										
90										
100							SS100	diatom bearing		
110	diatom bearing mud		N4							
120										
130										
140										
150										

→ DL ✓

Expedition 341 S. Alaska Margin: 11417 | B | 4H | 5 | 0-150

Site: | Hole: | Core: | Section: | Top Depth:

Major Lithology: mud

Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-7-13 Date:
0									
	mud		N4			silt-fs fas be= tween			
10									
20									
	ash	Δ	2.5YR6/1					weakly graded	
30									
40									
50	diatom		10YR3/2						
60	ooze								
70									
80									
90									
100									
110									
120	mud		N4						
130									
140									
150									

→ DL ✓

Expedition 341 S. Alaska Margin: UMT B 4H 6 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-7-13 Date:
0									
10									
20									
30	wd		N4						
40									
50									
60									
70						silt-fs clasts dispersed			
80	wd		N4						
90									
100									
110	diatom b. wd		10YR3/2						
120						fs clasts			
130	wd		N4			wood stud-1			
140									
150									

→ DLV

Expedition 341 S. Alaska Margin: U1417 B 4H 7 0-65

Site: Hole: Core: Section: Top Depth:

Major Lithology: Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-7-13 Date:
0	mud		N4						
10	mud					fs clasts little abundant			
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

→DL ✓

Expedition 341 S. Alaska Margin: 11147 B 4H CC 0-16.5

Site: *Hole:* *Core:* *Section:* *Top Depth:*

Major Lithology:..... Minor Lithology:.....

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: HB, 6-7-13
0	mud		N4			a few ss clasts			
10	PAL								
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

→DLV

Expedition 341 S. Alaska Margin: U1417 B 5A 1 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology: Sand

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-7-13 Date:
0									
10								soupy	
20									
30									
40									
50	mud		N4						
60									
70									
80									
90									
100									
110									
120									
130	volcanic rock Sand		2.5Y 5/1					no grading visible	
140									
150									

→ DL ✓

Expedition 341 S. Alaska Margin: U1417 B 5H 2 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology: sand

Logged by: HB, Date: 6-7-13

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0	sand		2.5Y 5/1					volcaniclastic rich
	mud		N4					
10, 11	sand		2.5Y 5/1					volcaniclastic rich
14								sandy
20	mud		N4					
								volcaniclastic rich
27	sand							
30								2.5Y 5/1
30.5								
40								
50								
60						small clasts fs		
	mud		N4					
70								
80								
90								
100								
110								
120								
130								
140								
150								

→DL✓

Expedition 341 S. Alaska Margin: U1417 B 5H 3 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-7-13 Date:
0						clasts present fs			
10									
20									
30	↓								
40	◇					◇		metasiltstone clast, 5x3x6 cm subangular-subrounded	
50	↓		N4						
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

→DL ✓

Expedition 341 S. Alaska Margin: U1417 B SH 4 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-7-13 Date:
0						clasts, fs			
10									
20									
30									
40									
50									
60									
70									
80									
90			N4						
100									
110	mud								
120									
130									
140								10YR 3/2	
142	d.b. mud								
145	mud		N4						
150									

in DESC ✓

Expedition 341 S. Alaska Margin: U1417 B 5H 5 36.80m CSF-A

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: L. Childress	Date: June 7 2013
0										
						8-pebble				
10	mud		N4							
20								23-33: crack, slight to mod.		
30										
40										
50								56-64: crack, slight		
60	mud		N4							
70						72-pebbles 74- "				
80										
90							SS 92	92-97-silt patches, brown => diatom ooze		
100										
110	mud		N4							
120										
130										
140										
150										

1

2.

DESC✓

Expedition 341 S. Alaska Margin: U1417 B 5H 6 38.30m CSF-A

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Childress	Date: June 7 2013
0								clast absent structureless no bioturbation		
10	MUD		N4							
20										
30										
40										
50										
60										
70	MUD		N4							
80										
90										
100										
110										
120	MUD		N4							
130										
140										
150										

-DL✓

Expedition 341 S. Alaska Margin: U1417 B 5H 7 39.80m CSF-A

Site: Hole: Core: Section: Top Depth:

Major Lithology: MUD Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Childress	Date: June 7 2013
0								clast present, but rare		
10										
20										
30										
40	mud		N4							
50										
60										
70	END	72		VOID				69-72; void, dest.		
80										
90										
100										
110										
120										
130										
140										
150										

SDL ✓

Expedition 341 S. Alaska Margin: U1417 B 5H CC 40.52m CSF-A

Site: Hole: Core: Section: Top Depth:

Major Lithology: MnO Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Childress	Date: June 7 2013
0								structureless, clast absent		
10	mud		N4							
		16								
20	PAL						PAL			
	END	21								
30										
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

→ DL ✓

Expedition 341 S. Alaska Margin: U1417 | B | 6H | 1 | 40.30m CSF-A

Site: | Hole: | Core: | Section: | Top Depth:

Major Lithology: MUD Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: L. Childress	Date: June 7 2013
0								0-150: soupy, destroyed		
10						9- pebble				
20	mud		N4	S						
30				o						
40				u						
				p						
50										
60				y						
70				m						
80				e						
				s						
90				s						
100				!		99- pebble				
110	mud		N4							
120										
130										
140										
150				void				void, 149-150, destroyed		

→ DL ✓

Expedition 341 S. Alaska Margin: U1417 B 6H 2 41.80cm CSF-A

Site: Hole: Core: Section: Top Depth:

Major Lithology: MUD Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: L. Childress	Date: JUNE 7 2013
0										
10	MUD		N4	S		12 - pebble				
20				O						
				U						
30				P		30 - pebble				
				Y		36 - pebble				
40										
50					49					
60										
70										
80										
90	MUD		N4							
100										
110										
120										
130										
140			greenish N4					139-150: black mottling		
150										

→DL ✓

Expedition 341 S. Alaska Margin: U1417 B 6H 3 43.30m CSF-A

Site: Hole: Core: Section: Top Depth:

Major Lithology: MUD Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Childress	Date: JUNE 7 2013
0								*black mottling throughout		
10										
20	mud		N4'							
30										
40										
50										
60										
70										
80										
90										
100										
110	diatom bearing mud	107	N4*					*but looks greener in some light		
120							SS126			
130										
140										
150								149 – black layer, bowed		

→ DL ✓

Expedition 341 S. Alaska Margin: 1.1.1.7 | B | 6H | 4 | 0-150

Site: | Hole: | Core: | Section: | Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-7-13 Date:
0									
10	mud		N4						
20									
26 28								diatom ooze 10YR 3/2	
30									
40	mud								
50									
60									
70			N4						
80									
90									
100									
110									
120									
130	mud		N4			small clasts 3, 3			
140									
150									

→DL ✓

Expedition 341 S. Alaska Margin: U1417 B 6H 5 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-7-13 Date:
0									
10	diat. b. mud		N4						
20									
30									
40									
50	mud		N4			clasts fs, 10/10 cm		3 stringers of diatom ooze @ 62 + 64 cm, + 92 cm	
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

→DL ✓

Expedition 341 S. Alaska Margin: U1417 3 6H 6 0-100

Site: Hole: Core: Section: Top Depth:

Major Lithology: wmd Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HD, 6-7-13 Date:
0						low, clast a2da ?10 cm			
10									
20									
30									
40	wmd		N4						
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

→DL✓

Expedition 341 S. Alaska Margin: U1417 B 6H CC 0-22

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, Date: 6-7-13
0					Clasts				
10	mud		U4		SS,				
17									
20	PAL								
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

DESCV

Expedition 341 S. Alaska Margin: U1417 B 7H 1 49.80m CSF-A

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Childress	Date: June 7 2013
0										
10	mud		N4	S						
20				o						
30				u						
40				p						
50				y						
60										
70										
80				m						
90				e						
100				s		92-pebble				
110				s						
120				!						
130										
140										
150										

DESC✓

Expedition 341 S. Alaska Margin: U1417 B 7H 2 51.30m CSF-A

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Childress	Date: June 7 2013
0										
				s						
10										
20										
	mud		N4	o						
30										
				v						
40										
						44-pebble				
				p						
50										
				y						
60										
70										
80										
				m						
90										
				e						
100										
				s						
				s						
110										
				!						
120										
130										
140										
150										

Expedition 341 S. Alaska Margin: U1417 | B | 7H | 3 | 52.80m CSF-A

Site: | Hole: | Core: | Section: | Top Depth:

Major Lithology: mud

Minor Lithology:

Logged by: Childress

Date: June 7 2013

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0								*granules throughout
								0-25: small clast drag
10								
20	mud							
30								
						36 - pebb./gran		
40						41 - pebb		
50						49, 50, 51, 53 - pebble		
	silt		N4				SS53	53-54: silt layer, brown ⇒ volcaniclastic sand (SS)
60	turbidite						SS63	62-64: turbidite (~~silty~~ sand fine up back to mud)
70						70 - pebble		
80								
90								
100	mud					98 - pebble		
110						110 pebble		
120						124 - pebble		124 - black patch -
130								
140						137 - pebble		
150				VOID				149-150: void, missing

→DL ✓

Expedition 341 S. Alaska Margin: U1417 B 7H 4 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0						clasts present			
10	Mud								
20									
30						1cm			
40			N4					Basalt clast, 4 cm long axis subrounded	
43 44									
50									
60									
70									
80								layers rich in IRD clasts > 2mm subangular	
90						1cm			
100									
110									
120									
130									
140									
150									

-DL✓

Expedition 341 S. Alaska Margin: U1417 B 7H 5 0-100

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0									
10									
20	◇					clasts ◇ pebbl fs			
30									
40	mud		U4						
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

-> DL ✓

Expedition 341 S. Alaska Margin: U1417 B 7H 6 0-99

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0						present clasts			
10	◇					◇ 3cm		frozen sand clast	
20									
29.5									
30						◇		frozen sand clast, 6 cm ø	
34									
40								clasts surrounded	
	mud		N4						
50									
	◇					◇ 2cm		subangular	
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

— DLW

Expedition 341 S. Alaska Margin: U1417 B 7H CC 0-26.5

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0						Clasts			
10	Mud		N4			forest fs			
20	PAL								
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

DESC✓

Expedition 341 S. Alaska Margin: U1417 (Site:) B (Hole:) 8H (Core:) 1 (Section:) 58.00m CSF-A (Top Depth:)

Major Lithology: MUD Minor Lithology:

Logged by: Childress Date: June 7 2013

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0								
10								
20	mud		N4	soupy				
30								
40								
50								
60				mess				
						66-pebble		
70						74-pebble		
80								
90					89			89-150: black mottling
100								
110	mud		N4					
						112 pebble 117		
120								
130								
140				void				143-150: void, moderate
150								

DESC✓

Expedition 341 S. Alaska Margin: U1417 B 8H 2 59.50m CSF-A

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology: Diatom bearing mud

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Childress	Date: June 7 2013
0										
10						11 (2x)-pebble				
20										
				24-29 void		25		slight to moderate		
						27(2x)-pebble				
30						32				
						36				
40	Mud					38				
50			N4							
60										
70										
80						84-pebble				
90										
100	gradational			102						
	diatom bearing mud									
110			N4*					*but green tint in some light, likely diatom bearing		
120							SS120	diatom bearing mud		
130										
140										
150										

Expedition 341 S. Alaska Margin: U1417 | B | 8H | 3 | 61.00 m CSF-A

Site: | Hole: | Core: | Section: | Top Depth:

Major Lithology: Diatom bearing mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Childress	Date: June 7 2013
0										
10						12- clast				
20										
30			N4*					*greenish tint in some light		
40	diatom bearing mud									
50										
60										
70										
80										
90										
100								101-150: Intense black mottling		
110			N4							
120										
130										
140										
150										

→ DL ✓

Expedition 341 S. Alaska Margin: U1417 B 8H 4 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, Date: 6-7-13
0								massive mud	
10									
20									
30	mud		N4						
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

→DL✓

Expedition 341 S. Alaska Margin: U1417 B 8H 5 0–150

Site: Hole: Core: Section: Top Depth:

Major Lithology: Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-7-13 Date:
0									
10								massive mud	
20	mud		N4						
30									
40									
50									
60	◇					◇ 1 cm		subrounded argillite	
70									
80									
90	mud		N4						
100									
110									
120	◇					◇ 1 cm		frozen sand clast	
130									
140									
150									

→DL✓

Expedition 341 S. Alaska Margin: U1417 B 8H 6 0-135

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: ~~DB~~, 6-7-13
0								massive mud	
10	↓		↓						
20	mud ↓		N4 ↓						
30						clasts fs, pebbles			
40									
50	◇◇					◇◇		2-1cm, mudstone subrounded	
60						>2mm ~20			
70	mud		N4						
80									
90									
100									
110									
120									
130									
140									
150									

→DL✓

Expedition 341 S. Alaska Margin: U1417 B 8H CC 0-20.5

Site: *Hole:* *Core:* *Section:* *Top Depth:*

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: HO, 6-7-13
0									
	Mud		N4			White, pesel Js			
10									
	PAL					PAL			
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

in DESCV

Expedition 341 S. Alaska Margin: U1417 B 9H 1 67.10m CSF-A

Site: Hole: Core: Section: Top Depth:

Major Lithology: MUD - Diatom bearing Minor Lithology:

Logged by: Childress Date: June 7 2013

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0								*intermittent black mottling throughout
10				SOUPY (mod. to ~~high~~)				
20					21			20-64: crack, slight
	diatom bearing mud		N4					26- green layer
30								
40								
50								
60								
70								
80								
90								
100						98-pebble		
110						110		
120							SS120	⇒ diatom bearing mud
130								
140						139- pebble		
150						147- pebble		

in DESC!

Expedition 341 S. Alaska Margin: U1417 B 9H 2 68.60 m CSF-A

Site: Hole: Core: Section: Top Depth:

Major Lithology: Diatom bearing mud Minor Lithology: mud

Logged by: Childress Date: June 27 2013

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0								
10								
20						20 - pebble		
30	diatom bearing mud		N4			32 - pebble		
40								
50								
60			green					59-60 - green layer → diatoms? ooze?
			N4					
70			brown					67 - brown layer, silty
80						84 - pebble		
90			N4			87		
100								
110	turb. (112–113); turb. (115–116)							sequence of 3 turbidites (sand → silt → mud) fine upward.
120	turb (120)					117 - pebble; 128 - 2cm pebble	SS 119	120 - 150, structureless → well sorted, fine grained sand
130	mud		N4			128 - pebble		
140								
150								

Expedition 341 S. Alaska Margin: U1417 B 9H 3 70.10m CSF-A

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud (diatom bearing) Minor Lithology:

Logged by: Childress Date: June 7 2013

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0						* no clasts		0-41: black laminae
10								
20	mud		N4					
30								
40		41						
	ash		N6				SS46	ash: fine-ash size "clean" tuff/ash
50		49						
60								
70								
80	diatom bearing mud		N4					
90								88-89: black layer
100								
110								
120								122-124: black layer
130								
	gradational			135				
140	mud		N4					
150								

→DL ✓

Expedition 341 S. Alaska Margin: U1417 B 9H 4 0-150

Site: *Hole:* *Core:* *Section:* *Top Depth:*

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: HB, 6-7-13
0						clasts			
						pres.			
10						fs			
20									
30									
40									
50	mud		V4			2cm		frozen sand clast	
60									
70									
80									
90									
100									
110									
120									
130						2cm			
140									
150									

→DLV

Expedition 341 S. Alaska Margin: 11417 B 9H 5 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: HB, 6-7-13
0						clasts pres. fs			
10	◇					◇ 2cm		clasts subrounded - subangular	
20									
30									
40	mud		10Y						
50	◇					◇ 0.5			
60									
70									
80	◇					◇ 0.5			
90	◇					◇ 1cm			
100	◇					◇ 1cm			
110									
120									
130									
140	◇					◇ 2cm			
150									

→DL ✓

Expedition 341 S. Alaska Margin: U1417 B 9H 6 0-148

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: AB, Date: 6-7-13
0						clast pres fs,			
10	0					0		Basalt clast, 5cm long axis	
20									
30									
40	mud		N4						
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

→DLV

Expedition 341 S. Alaska Margin: U1417 B 9H CC 0-19

Site: *Hole:* *Core:* *Section:* *Top Depth:*

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-7-13 Date:
0									
	Mud		N4			Olcu			
10									
	PAL					PAL			
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 B 10H 1 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: HF 08/JUN/13
0									
	mud		N4						
10									
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140								sand clast ~ 139 cm	
150									

11

Expedition 341 S. Alaska Margin: U1417 B 10H 2 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology:..... Minor Lithology:.....

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: VF 08 / Date: JUN/13
0								0-131:	
10			N4					mud	
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
								115: ~2 cm; metasediment?	
120								120.5 mud clast (5 mm)	
15 130								131-141.5	
								* diatom ooze	
140								* N4 with 10YR 3/2	
1 150									

Expedition 341 S. Alaska Margin: U1417 B 10 3 0 – 149 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 8.6.13
0								– Small silt lenses throughout section	
10			N4						
20									
30								silty layer @ 35 cm	
40									
50								clast @ 49 cm, rounded ∅ 0.5 clast @ 54 cm irregular (mud) ∅ 0.5	
60									
70								silt lense @ 73 cm crack @ 78 cm	
80				//					
90									
100									
110								clast @ 114.5 cm, 108 cm	
120								pebble with rounded @ 122 cm	
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 B 10H 4 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology:..... Minor Lithology:.....

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: 08/7/UN/13
0			N4						
10								mud	
20								20.5-24.5: more diatoms	
30									
40								40-41: 1 cm sub-angular	
50								54.5-55.5 → crack	
60									
70									
80								87-88: mud clast 90-91: mud clast	
90									
100									
110									
120									
12									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 B 10 5 0-151 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: Jh 8.6.13
0									
10									
20								white fine grained material @ 19 cm lense < Ø 0.5 cm	
30									
40									
50			N4					silt layer/lense @ 51 cm	
60									
70								silt layer/lenses @ 71 cm	
80									
90									
100								99-100 cm 10Y 4 very fine sand	
110									
120								ash? lense Ø 1 cm 2.5/7/1	
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 B 10 6 0 - 141 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 8.6.13
0									
10									
20	mud								
30									
40	silt							41 - 46 cm ~~ash layer~~ 10YR 6/1 vulcanoclastic rich silt reworked ash irregular/gradational upper sanding ash bioturbated down to 51 cm	
50									
60									
70	mud								
80									
90									
100									
110									
120									
130				void				133 - 141 cm liner not completely filled (void)	
140									
150									

Expedition 341 S. Alaska Margin: U1417 B 10H 7 0-57

Site: Hole: Core: Section: Top Depth:

Major Lithology:..... Minor Lithology:.....

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: MF 08/JUN/13
0									
10								mud very disturbed only ~ half of the lines filled	
20			N4						
30								some intervals with higher biosiliceous amounts	
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

mit DL

Expedition 341 S. Alaska Margin: U1417 B 11 1 0–150 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JL Date: 8.6.'13
0									
10				void				void 10 – 13 cm	
20									
30									
40			N4	soft					
50									
60									
70								68-70 cm silty layers	
80									
90									
100									
110								107 - 114 cm silty layers	
120								bioturbation moderate 123- eosection	
130					2				
140								lense @ 148.5 cm Ø 1cm brown (2.5Y 3/1) silty material	
150									

in DC

Expedition 341 S. Alaska Margin: U1417 B 11H 2 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology:..... Minor Lithology:.....

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: HF 08/JUN/13
0								0-145.5 MUD	
			N4						
10									
20									
30									
40									
50									
60									
70									
80									
90								91.5-92.5 . Subrounded clast; meta sediment ?	
100									
110									
120								127-135: * diatom ooze	
130	diatom ooze								
140								145.5-147.5 ash lower crossbedding sharp, but irregular upper boundary → 2cm to bioturbation upward colour change to more brown	
			2.5Y 4/1						
150								147.5-150: see 0-145.5	

m DC

Expedition 341 S. Alaska Margin: U1417 3 11H 3 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology:..... Minor Lithology:.....

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: HF 08/JUN/13
0			N4					0-136 mud	
10									
20									
30									
40									
50									
60									
70									
80								86-88 slightly coarser, irregular interval	
90									
100									
110									
120									
130									
140								136-137 * Sandy mud * 2.5Y 3/1	
150								137-150: see 0-136	

ii 2(

Expedition 341 S. Alaska Margin: U1417 B 11 4 0-150 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Logged by: JM Date: 8.6.'13

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0	ash							3.5-6 cm ash layer! silty glass (2.5Y 4/1)
10								irregular upper & lower boundaries
20								clast @ 6-7 cm Ø1.5cm, rounded
30					2			29-37 cm silty? lenses
40			N4					
50								
60								60-67 cm silty? lenses
70								
80					1-2			
90			light green N5					pure mud (no biogenic stuff)
100								
110			N4					
120								
130								silty layer @ 132 cm 2.5Y 5/1
140			N4		0			133-150 cm massive mud no bioturbation visible
150								

in DL

Expedition 341 S. Alaska Margin: U1417 B 114 5 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology:..... Minor Lithology:.....

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0								0-150	
10			N4					mud	
20								85-9.5 · sub-angular clast	
30									
40									
50									
60									
70									
80								~78: pyrite grain next to clast	
90									
100								101-102: broken clast (~1 cm) is sub-rounded; low metamorphic	
110									
120									
130									
140									
150									

in DL

Expedition 341 S. Alaska Margin: U1417 B 11H 6 0–117

Site: Hole: Core: Section: Top Depth:

Major Lithology:..... Minor Lithology:.....

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: YF 08/JUN/13
0								0–117.	
10			N4					MUD	
20									
30									
40									
50									
60									
70				⇒				below 70 some pull down along liner wall	
80								77: silty lamina; more brown	
90								below 96: liner not entirely filled (partly only half filled	
100				⇒					
110									
120								EOS	
130									
140									
150									

in DL

Expedition 341 S. Alaska Margin: 41417 B 11 CC 0-12cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JL	Date: 8.6.13
0										
			N4	//				Mud		
10										
	PAL							12-17cm PAL sample		
20										
30										
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin: U1417 B 12H 1 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: YF Date: 08/04/13
0			N4					0-150	
10								mud	
								0-6: some cracks	
20									
								increased bioturbation between ~21-~84	
30									
40								37-38: } sub-rounded to sub-angular 38-41.5: } meta sediment?	
50									
60									
70								bored layer	
80									
90									
100									
110									
120									
130									
140								137.5-139.5: granitic clast	
150									

Expedition 341 S. Alaska Margin: U1417 B 12H 2 0-151

Site: Hole: Core: Section: Top Depth:

Major Lithology:..... Minor Lithology:.....

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: YF 08/JUN/13
0								0-151 mud	
	?		N4					6.5-8.5: muddy-sand lense ↳ IRD	
10									
20									
30									
40									
50									
60									
70									
80									
90									
100								99.5-101.5: sub-angular ↳ amphibolite?	
110									
120									
130								increased bioturbation between ~133-~149	
140									
150									

Expedition 341 S. Alaska Margin: U1417 B 12 3 0 – 149 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 8.6.13
0									
10									
20	all mud								
30									
40			N4						
50								clast @ 49.5 cm (1.5 cm ø) black silt, rounded stone	
60									
70									
80									
90									
100									
110									
120								from 125 cm to bottom mottled & bioturbated	
								126–127 cm clast 2 cm ø subrounded (basalt?) metasediment?	
130					1-2				
								more silty between 125 & 149 cm (diatoms?)	
140									
150									

Expedition 341 S. Alaska Margin: U1417 B 12H 4 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology:..... Minor Lithology:.....

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0								0-150	
			N4						
10								mud with present diatoms	
								more greenish between ~38-103	
20								LD diatom-rich mud	
30									
40									
50									
60									
70									
80									
90									
100									
110									
120								114.5-118: weathered meta greywacke?	
130									
140									
150									

Expedition 341 S. Alaska Margin: 41417 B 12 5 0-151 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 8.6.18
0									
10								dropstone @ 7.5 cm ϕ 2 cm, subrounded siltstone?	
20								clast @ 17 cm	
30									
40			N						
50	all massive mud		4						
60									
70				½				crack at 71-72 cm	
80									
90									
100									
110								clast @ 110 cm ϕ 1.5 cm slack rounded, igneous	
120								clast @ 112 cm ϕ 1 cm well rounded	
130								clast @ 124 cm	is in work half
140									
150									

Expedition 341 S. Alaska Margin: 41417 B 12 6 0-41cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JL Date: 8.6.13
0									
10	massive mud		N4					just mud	
20									
30									
40				void				liner not completely filled between 36 & 41 cm	
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 B 12 CC 0-27 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 8.6.13
0									
	mud		N4	/				from top to bottom liner not completely filled	
10									
20							PAL	22-27cm sample	
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

n DL

Expedition 341 S. Alaska Margin: U1417 B 134 1 0-151

Site: Hole: Core: Section: Top Depth:

Major Lithology:..... Minor Lithology:.....

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: MF 08/JUN/13
0								0-90:	
10								* mud	
20			N4					* 0-75 : soupy	
30									
40									
50									
60									
70									
80								82-85: rounded clast	
								↳ metasediment?	
90								85-88.5: VOID	
								90-106.5	
100			N4					↳ diatom ooze	
								↳ slightly more yellowish/brownish	
110								106.5-151	
120			N4					* mud	
130									
140									
150									

M Dl

Expedition 341 S. Alaska Margin: U1417 B 13H 2 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology:..... Minor Lithology:.....

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: MF 08/JUN/13
0								0-26	
10			N4					* Mud	
20									
								26-37.5	
30								* diatom-rich mud	
40									
								37.5-150	
50								* Mud with diatoms	
60								60-75 diatom-bearing mud	
70									
80									
90									
100									
110									
120									
130									
140									
150									

in DL

Expedition 341 S. Alaska Margin: 41417 B 13 3 0 - 150 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 8.6.'13
0									
10									
20									
30			N4					clast @ 29 cm, ϕ 0.5 clast @ 35 cm, ϕ 0.5	
40									
50								silty and less @ 50 cm	
60									
70								clast @ 76 cm, ϕ 0.5 cm silty layer @ 75.5 cm	
80									
90			2.5Y 3/1					88 - 90.5 cm ~~silty~~ sand (fine) gradational upper boundary, bioturbated bottom to 92 cm	
100								Clast @ 104 cm, ϕ 0.5 cm	
110								clast @ 112 cm, ϕ 0.5 cm	
120									
130								clast @ 135 cm ϕ 0.5	
140								clast @ 145 cm ϕ 1 cm, mica rich schist	
150									

in DC

Expedition 341 S. Alaska Margin: U1417 B 13H 4 0–150

Site: Hole: Core: Section: Top Depth:

Major Lithology:..... Minor Lithology:.....

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: HF 08/JUN/13
0								0–121.5	
10			N4					MUD	
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
29 120								118.5–121.5	
								↳ more diatoms?	
130								121.5–150	
								MUD	
140								132.5–133.5: sub-rounded quartzite clast	
5 150								143.5–145.5: quartzite vein in metasediment?	

in DL

Expedition 341 S. Alaska Margin: U1417 B 13 5 0-100

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 8.6.17
0									
10									
20			N4					17-18 cm dark green (10Y 3/1) mud layer with silt	
30	mud								
40									
50									
60	•							clast @ 60 cm (ϕ 0.5 cm) vulcano-clastic with sand	
70	ash ?		2.5Y 2.5/1					71-73 cm dark brown ~~silty layer~~ (2.5Y 2.5/1) with altered glass gradational upper boundary next layer / lense @ 73.5 cm, 74.5 cm & 75.5 cm (2.5Y 3/1)	
80									
90								81.5 cm - 95 cm diatom ~~silt~~ ooze (10Y 4/1) ~~silty~~	
100									
110									
120									
130									
140									
150									

in DL

Expedition 341 S. Alaska Margin: 41417 TB 13 6 0-58 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 8.6.13
0								clast @ 2.5 cm, ϕ 0.5 cm, angular	
10									
20	mud		N4					silt lense @ 24 cm (ϕ 1 cm)	
30								clast @ 31.5 cm, 0.5 cm ϕ	
								clast @ 35 cm, 0.5 cm ϕ	
40								2 clasts @ 40 cm, 0.5 ϕ	
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

in DL

Expedition 341 S. Alaska Margin: U1417 B 13 CC 0-13

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 8.6.13
0	massive mud		N7	1%				crack 6-8 cm	
10									
							PAL	13-19 cm sample	
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 B 14H 1 0-20

Site: Hole: Core: Section: Top Depth:

Major Lithology:..... Minor Lithology:.....

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: MF 08/JUN/13
0			N4					0-20:	
10								* MUD	
								* SOUPY	
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 B 14H 2 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology:..... Minor Lithology:.....

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: MF Date: 08/JUN/13
0			N4					0-150	
10								*MUD	
20								*0-25: Soupy	
30									
40								37.5-40.5: sub-rounded clast; metasediment	
50									
60									
70									
80									
90									
100									
110									
120									
130								129-131.5: sub-rounded meta sediment	
140									
150									

Expedition 341 S. Alaska Margin: U1417 B 14H 3 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology:..... Minor Lithology:.....

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: TF 08/JUN/13
0			N4					0-117.5: Mud	
10									
20									
30									
40									
50								52-53: sand clast	
60									
70									
80									
90								90-91: shist clast, breaking apart along bedding planes ~1.5 cm	
100									
110								117.5-119.0:	
120								* 2 sequences of very-fine sand; grading? * upward colour changes from 2.5Y 4/1 to 2.5Y 5/1	
130								* erosive boundary at base of unit, but no internal boundary; sharp upper boundary	
140			2.5Y 4/2					119.0-137.0: as 0-117.5. 137.0-145.0: * diatom ooze; gradational boundary	
150								145-150: as 0-117.5	

Expedition 341 S. Alaska Margin: U1417 B 14 4 0-150 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Logged by: JM Date: 8/6/13

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0								
								clast @ 9.5 cm ϕ 0.5 cm
10			N4					clast @ 10.5 cm, ϕ 1 cm, sub-rounded
20								
								25-43 cm diato-ooze with grad. boundaries
30	ooze		10Y 5					
40								clast @ 39 cm, ϕ 0.5 cm
50								
60			N4					clast @ 62-63 cm, ϕ 2 cm sandstone, well rounded
70								clast @ 70.5 cm, ϕ 1 cm
								silt lense @ 76-77 cm
80								2 clasts @ 79 cm ϕ 0.5 cm
90								clast @ 80 cm, ϕ 0.5 cm
100								clast @ 99.5 cm, ϕ 0.5 cm
110								clast @ 116 cm, ϕ 0.5 cm
120								biosili. bearing mud ~ 120 cm
130								
140								clast @ 138 cm
150								

Expedition 341 S. Alaska Margin: 41417 B 14 5 0 - 150 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 8.6.13
0									
10	mud		N4						
20	ooze?		N4/ 5Y 4/1					silty ? ooze grade sandwiches	
30			N4					clast @ 29 cm, subrounded, ϕ 1 cm, black siltstone ?	
40								clast @ 30 cm, ϕ 0.5 cm	
50									
60								huge clast 58-64 cm, ϕ 5 cm, metagreywacke (in work half)	
70	mud							clast @ 67 cm, ϕ 0.5 cm	
80									
90									
100								clasts @ 104, 105 cm well rounded sandstone ϕ 1.5 cm white angular feldspar ϕ 0.5 cm (both in working half)	
110	ooze		5Y 4/1						
120								ooze at 107 - 115 cm, gradational. clast @ 115 cm ϕ 1 cm, well rounded (in work half)	
130	mud		N4						
140								clast @ 140 cm, ϕ 1 cm, subrounded	
150									

Expedition 341 S. Alaska Margin: U1417 B 14 6 0-150 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 8.6.13
0								dropstone @ 1-2 cm, ϕ 2 cm black metasediment (→ in UH)	
10									
20			N4					clast @ 21 cm, ϕ 0.5 cm, black claystone	
30	massive mud								
40									
50								- well rounded metasediment (greywacke ?), ϕ 4 cm	
60								- clasts @ 58.5 cm, ϕ 0.5 cm	
70	ooze?		N4					ooze or silty interval @ 60-68 cm	
80								silt lenses @ 87 cm	
90	massive mud							clast @ 84 cm clast @ 90 cm, ϕ 0.5 cm	
100									
110			N4					clasts @ 109, 111 cm, 1 ϕ cm	
120									
130								Clasts between 120 - 134 cm ϕ 0.5 cm	
140									
150									

Expedition 341 S. Alaska Margin: U1417 B 1411 7 0-121

Site: Hole: Core: Section: Top Depth:

Major Lithology:..... Minor Lithology:.....

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: HF 08/JUN/13
0			N					0-121	
10								* Mud	
20								5.5-6.5: Sand clast	
								24.5-26.5: rounded clast; hetero sed.	
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 B 16H 1 0-149

Site: Hole: Core: Section: Top Depth:

Major Lithology:..... Minor Lithology:.....

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: IF 08/JUN/13 Date:
0			N4					0-23.5	
10								* Mud	
								*0-5: soupy	
20									
			2.5YR 4/1					23.5-26.0	
30								* sharp & irregular lower boundary	
								* gradational	
40			N4					* altered ash; sand size; diatoms present	
								26.-55.5	
50								* Mud	
								55.5-57.5	
60			2.5YR 4/1					* ash	
								* sharp lower boundary	
								* irregular upper boundary	
70								57.5-94.0	
			N4					* Mud	
80									
90									
								94-108:	
100								* diatom ooze	
								* slightly more yellowish/brownish	
110									
								108-149:	
120								* Mud	
130									
								141-142: several light ash clasts (<1cm)	
140									
150									

reworked
rel. water rich

Expedition 341 S. Alaska Margin: U1417 B 16 2 0-159cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JH Date: 8.6.'13
0									
10	Mud								
20								clast @ 25.5 cm, ϕ 0.5 cm	
30			N4						
40									
50								clasts @ 48 - 51 cm, sandy gravel (intact); ϕ 0.5 cm	
60								clast @ 61 cm; ϕ 0.5 cm	
70	Mud							2 clasts @ 73 & 74 cm, ϕ 0.5 cm	
80									
90								dropstone @ 93 cm, ϕ 1 cm	
100								94 - 95 cm silt/fine sand layer; dropstone @ 96.5 cm ϕ 0.5 cm	
110	Mud							clasts @ 110 & 111 cm; ϕ 0.5 cm	
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 B 16H 3 0 - 150

Site: Hole: Core: Section: Top Depth:

Major Lithology:..... Minor Lithology:.....

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: MF 08/Jan/13
0			N4					0 - 150	
10								HMud	
20								* somewhat more bioturbation between ~96-117	
30								↳ also higher biosilicious contents?	
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 B 16H 4 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology:..... Minor Lithology:.....

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: MF 08/JUN/13
0								0-60	
			N4					* Mud	
10									
20									
30									
40									
50									
60								60-62.5	
								* mud with diatoms	
70								62.5-130	
								* Mud	
80									
90									
100									
110									
120									
130								130-132	
								* diatom ooze	
								* slightly more brownish	
140								132-150	
								* Mud	
150								* 140-143: sub-angular; meterscohimm *	

Expedition 341 S. Alaska Margin: U1417 B 16 5 0 – 153 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 8.6.13
0									
	Mud								
10									
								clast @ 15.5 cm, ϕ 0.5 cm	
20			N4						
								clast @ 27 cm, ϕ 0.5 cm	
30									
40								3 clasts @ 44-47 cm, ϕ 0.5 cm	
50									
60									
70									
80									
90									
100								clast @ 97 cm, ϕ 1 cm, well-rounded	
110								silty intervals probably from diatoms between 100 & 130 cm	
120			N4						
130									
140									
150								152-153 cm: 2 layers – fine sand	

Expedition 341 S. Alaska Margin: U1417 B 16 6 0-126

Site: Hole: Core: Section: Top Depth:

Major Lithology:..... Minor Lithology:.....

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 8.6.13
0	sand		10YR2.5					0-2 cm sand layer, fine sand/silty, (10YR2.5)	
10	sand		N4					clast @ 8 cm, Ø 0.5 cm clast 15 cm, Ø 0.5 cm	
20									
30									
40								40.5-41.5 cm; very vulcaniclastic bearing fine sand, irregular upper boundary (10YR6), sharp lower boundary	
50								49.5-50.5 cm, as above vulcaniclastic bearing fine sand, siderite based top	
60									
70								clast @ 75 cm, Ø 0.5 cm 2 clasts @ 76 cm, Ø 0.5 cm	
80								clast @ 80 cm, volcanic sandstone!	
90									
100								96-99 cm muddy silt layer/lense	
110								104-112 cm big clast metasiltstone, black angular Ø 4 cm	
120								silty layer @ 117 cm	
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 B 16H CC 0-15

Site: Hole: Core: Section: Top Depth:

Major Lithology:..... Minor Lithology:.....

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: MF 08/JUN/13
0								0-9.5	
								* Mud	
10	SAMPLE							* 0-3: clast; metasediment, partly coated with pyrite?	
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

in DL

Expedition 341 S. Alaska Margin: 41417 B 17H 1 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology:..... Minor Lithology:.....

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: KF 05/JUN/13
0								0-15:	
			N4					* disturbed mud (holes, void)	
10									
1								15-30:	
20								* mud	
								* very gradual lower boundary	
2 30								30-150:	
			5Y 4/1						
40								* mud	
								* some colour variation	
50								* slightly darker, more brownish	
								& occasionally more greenish	
								54-55: diatom rich mud	
60									
70									
80									
90									
100									
110									
120								119.5-120.5: diatom-rich mud	
								123.5-124.5 — " —	
130									
140									
150									

in DL

Expedition 341 S. Alaska Margin: U1417 B 17H 2 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: ..... Minor Lithology: .....

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: YF 08/JUN/13
0			5Y 4/1					0-129.5	
10								as section 1 : 30-150cm	
20									
30									
40									
50									
60									
70								70.5-72.0 : diatom - rich mud	
80									
90									
100									
110								→ 136-138: volcanoclastic - rich sand; 5Y 2.5/1	
120									
130			10YR 4/1					129.5-133: * very fine sand; glassy ash * erosive lower + sharp & uneven upper boundary	
140			2.5Y 4/1					133-148,5: * mud * chaotic; colour variation: 2.5Y 4/1, 5GY 3/1, 10YR 4/1 - rich mud bioturbation	
150			10YR 5/2					148.5-165 → see next page	

ii DL

Expedition 341 S. Alaska Margin: 41417 B 17H 3 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology:..... Minor Lithology:.....

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: MF 08/JUN/13 Date:
0			2.5Y 3/2					0-9	
10								* fine sand, fining upward to very fine sand; clean glassy ash	
			5Y 4/1						
20								* upward colour change from 2.5Y 3/2 to 10YR 5/2	
30								* sharp lower boundary	
								9-26	
40		DO						* as section 1, 30-150 cm	
								* very gradational lower boundary	
								26-50	
50								* diatom ooze	
60								* 5Y 4/1, but some parts darker, more brownish, more yellowish	
								* very gradational lower boundary	
70								50-86	
								* as section 1, 30-150	
80								* very gradational lower boundary	
								86-111	
90								* as 26-50	
		DO						111-131.5	
100								* Mud	
110								131.5-132.5	
			N3					* discontinuous ash layer	
120								* 2.5Y 7/1	
								* irregular upper & lower boundary	
130								132.5-150	
			N3					* Mud	
140									
150									

in DL

Expedition 341 S. Alaska Margin: U1417 B 17 4 0–150 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: M–d Minor Lithology:

Logged by: JH Date: 8.6.13

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0								
			N3					clast @ 6.5 cm, ϕ 1 cm
10								
	ooze		5Y4/1 mix					diatom ooze 11–25 cm colors: N4, 10Y5, 5Y4/1 (mottled) gradual upper/lower boundary
20								
30								clast (lava) @ 36 cm, ϕ 0.5 cm
40			N4					
50								clast @ 49 cm, ϕ 0.5 cm
60								
70	ooze		5Y4/1					diatom ooze 65–80 cm
80								
								clast @ 85 cm, ϕ 0.5 cm
90								
100								silt lenses @ 99–101 cm due to biodegradation?
			N4					
110								
120					1–2			
130								
140								
150								

in DL

Expedition 341 S. Alaska Margin: 414-17 B 17 5 E 0-1

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JL Date: 8.6.13
0			5GY4		0				
10								massive mud (possibly no bioturbation)	
20	mud								
30									
40									
45			10Y5					silty layer (10Y5), bended	
50								42-49 cm	
55	mud		N4						
60								silty layer, eroded upper bounding	
65								10Y5 @ 65-66 cm	
70	mud							70-72 cm fine sand (5Y 5/1), bioturbated upper bounding, sharp lower bounding	
75									
80								sand @ 76-77 cm, bended / eroded	
90									
95	mud								
100			N4						
110									
115								silty mud lenses @ 118 cm	
120									
125								130-132 cm silty mud layer (10Y 5), irregular contacts	
130									
135								138-143 cm silty mud layer, eroded contacts	
140	mud		N4						
145									
150									

mi 1l

Expedition 341 S. Alaska Margin: U1417 B 12 6 0-87 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 8.5.13
0	Mud								
			N4					sand lense @ 6.5 cm (mono crystalline)	
10								silty layer @ 9.5 cm	
20	Mud								
30								silty lenses @ 28 cm	
40									
50	Mud								
			N4						
60									
70								clast @ 68 cm, 0.5 cm ø	
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: 41417 B 17 CC 0-12cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 8.6.13
0	massive mud		NB					0-5cm partly void liner	
10								9-10cm silty layer with clast ∅ 0.5cm	
20							PAL	clast @ 14.5cm, ∅ 1cm, well rounded	
30								17-22cm PAL sample	
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

in DESCV

Expedition 341 S. Alaska Margin: U1417 | B | 18H | 1 | 152.60 m CSF-A

Site: | Hole: | Core: | Section: | Top Depth:

Major Lithology: MUD Minor Lithology: silt layers

Logged by: Childress Date: June 8 2013

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0								
10	MUD		N4					
20				void		18- 5cm pebble		22-28: void, large clast drag
30				void		29 - pebble		
40								
	silt		N3					47-49 - silt layer, N3
50	mud		N4					
	silt		N3				SS57	55-58: silt layer, N3 → silty sand
60								
70	MUD		N4			68-pebble		
80						80 - 5mm pebble		
90								
100								
110								
120	mud		N4					
	silt		N5					121-124: fine silt, N5
	silt		N5		126			126-128: fine silt, N5
130				bowed				
	silt		N5		136			134-135: fine silt, N5
140								
	silt		N5					146-148 - fine silt, N5
150								

turbidites

*silt layers: bottom sharp, top gradational

ALL fine sands actually by smear sl.

in DESCV

Expedition 341 S. Alaska Margin: U1417 B 18H 2 154.10m CSF-A

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology: (formerly) silt layers

Logged by: Childress Date: June 8 2013

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0	w/silt			ACC				0-6: along core contamination 0-6: silt patches, N5
10	mud							
20	mud w/ silt	S S	N4			26-alt. sed clast		20-52: ACC 20-29: silt patches, N5
30		S		ACC				33-35: silt patch, N5
40		S				43-46 pebble		39-52: silt patches, N5
50		S						
60	mud		N4					
70						68-pebble		
80								
90								
100								94-150: ACC ⇒ whole thing really? " : silt patches, varying color
110	mud w/silt	S	N4					
120		S		ACC		123-pebble		
130								
140								
150								

in DESC✓

Expedition 341 S. Alaska Margin: U1417 B 18H 3 155.60m CSF-A

Site: Hole: Core: Section: Top Depth:

Major Lithology: MUD Minor Lithology: DIATOM DSARING/RICH?

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Childress	Date: JUNE 8 2013
0				ACC				0-115: along core contam. (ACC) 0-115: deformed silt layers		
						6 - pebble				
10										
			S			15 - pebble 17 - pebble				
20						22 - pebble				
30										
			S							
40						41 - pebble				
50	mud w/ silt pebbles		N4			52 - pebble				
60										
			S							
70										
80			S							
90										
			S							
100				ACC						
	sharp	115						115-150: bowed, slight		
110						112 - pebble				
120	mud		N4 (but green in mass)				SS117 →	mud, no fossils		
130										
140										
	gradational									
150	mud					144 147 148 149 pebbles				

→ DL ✓

Expedition 341 S. Alaska Margin: U1417 B 18H 4 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-8-13 Date:
0						clasts present, fe, 21 distributed, >2		along core disturbance, moderate, sand patches throughout	
10									
20	mud		N4	along core contamination					
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

→ DLV

Expedition 341 S. Alaska Margin: U1417 B 18A 5 0–150

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: AB, 6-8-13 Date:
0				along core contamination		clasts present, fS, >2mm: 2		along core contamination, sand patches 1–20 cm, 90–180 cm	
10	mud		N4						
20									
30									
40									
50									
60									
70									
80								metasiltstone, subrounded (moved by disturbance)	
90						6 cm			
100									
110									
120									
130									
140									
150									

→DL ✓

Expedition 341 S. Alaska Margin: U1417 (Site:) B (Hole:) 18H (Core:) 6 (Section:) 0-100 (Top Depth:)

Major Lithology: mud Minor Lithology: sand

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-8-13 Date:
0								sand patches, contam	
10									
20									
30	mud			along core contamination					
40									
50			N4						
60									
70									
80									
90	2cm					2cm		argillite, subrounded	
100						5cm		metasiltstone, elongate, subrounded	
110									
120									
130									
140									
150									

→DL✓

Expedition 341 S. Alaska Margin: U1417 B 18H CC 0-18

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology: sand

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: HB, 6-8-13
0									
10	mud		N4	arc				along core cont. sand patches	
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

→ DL ✓

Expedition 341 S. Alaska Margin: U1417 B 19 1 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology: diat. ooze

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-8-13 Date:
0								1-28, soupy	
10	diatom ooze		10GY 4/3						
20									
30	diat. ooze mud		10Y 4/2						
40									
50									
60	diat. ooze		10GY 4/3						
70									
80						Yau		argillite, subrounded 0.5 cm, 2>	
90	mud								
100			N4					argillite, subrounded, 1.5 cm	
110									
120	diatom ooze mud		10Y 4/2					0.5 cm, angular	
130									
140								← gradational contact	
150	mud		N4			clastic pres.			

→ DL ✓

Expedition 341 S. Alaska Margin: U1417 B 19 2 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology: volcaniclastic sand

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-8-13 Date:
0						clasts present,			
	◇					◇		angular, 1 cm	
10	↓								
20									
	mud		5Y 4						
30									
40	↓ ◇					◇		gerundet, 3.5 cm	
50									
60	◇					◇ 2cm		subrounded 2.00 cm	
70									
80	diatom ooze		10YR 4/3						
90									
100									
110									
120		△						volcaniclastic sand, graded, turbidite 7.5YR 2.5/1	
130	diat. ooze		10YR 4/3						
140									
150									

in DESCV

Expedition 341 S. Alaska Margin: U1417 (Site:) B (Hole:) 19H (Core:) 3 (Section:) 164.20m CSF-A (Top Depth:)

Major Lithology: Mud Minor Lithology:

Logged by: Childress Date: June 8 2013

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0	diatom bear?							28-34: along cont. → slight!
10	mud		N4					
20	mud		color banding N4			17, 23 pebbles		— color: green tint, black layers
30	silt/sand	27						* silt layers = turbidite deposits
	mud		N4					
40	silt/sand	39, 42						
50								
60	mud		N4					
70						68 - pebble		
80	silt/sand (turb.)	74, 78					SS78	very fine sand turbidite, no volcanics
	silt/sand	84, 85						
90	silt/sand	92, 93		bowed		95 - pebble		
100								
110	mud		N4					
120								massive mud, structureless
130								
140								
150								

Expedition 341 S. Alaska Margin: U1417 B 19H 4 165.70m CSF-A

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology: Sand/silt turbidite deposits

Logged by: Childress Date: June 8 2013

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0								
10	mud		N4					12-53: along core cont., slight (ACC)
	silt/sand		N5					" : bowed, slight
20	mud		N4					
30	silt/sand							sand/ *silt layers = turbidite deposits (N5)
				ACC				
40	mud		N4					*massive mud, no obvious pebble clasts
50	silt/sand							
60								
70	mud		N4					
80								
90	silt/sand							94-118: ACC, mod-high
100	mud		N4					
	silt/sand			ACC				
110	mud		N4					
	silt/sand							
120								120-150: black mottling
130	mud		N4					
140								
150								

inDESCR

Expedition 341 S. Alaska Margin: U1417 B 194 5 167.20m CSF-A

Site: Hole: Core: Section: Top Depth:

Major Lithology: MUD Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Childress	Date: June 8 2013
0								*black mottling, color banding intermittent		
10										
20	mud		N4							
30										
40										
50	sand/silt		N5					49-50 → thin, can't tell if ash or turbidite		
	mud									
60	sand/silt		N5							
	mud		N4							
70				VOID	74					
	END									
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin: U1417 B 19H CC 167.95m CSF-A

Site: Hole: Core: Section: Top Depth:

Major Lithology: ?? Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Childress	Date: June 8 2013
0	ALL		TO		PAL					
6							6			
10										
20										
30										
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

→ DL ✓

Expedition 341 S. Alaska Margin: U1417 B 20 1 0–38

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-8-13 Date:
0				↑					
10									
20	mud		N4	← above core contact					
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

→ DL ✓

Expedition 341 S. Alaska Margin: U1417 B 26 R 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: AB, Date: 6-8-13
0						clasts pres.			
10	mud		N4						
20									
26 28		△						normal grad., sand, 10YR 3/1	
30	mud		N4			clasts pres.			
35		△						sand, normal grad., 10YR 3/1	
40 41						clasts pres.			
50			N4						
60	mud								
70									
78	◇					◇		clast, 1.5 cm, subrounded	
80				← above core disturbance →					
90									
100			N4						
110	mud								
120									
130									
140									
150									

→ DL ✓

Expedition 341 S. Alaska Margin: U1417 | B | 2o | 3 | 0-15o

Site: | Hole: | Core: | Section: | Top Depth:

Major Lithology:..... Minor Lithology:.....

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: HB, 6-8-13
0									
10	mud		N4			clasts pres.		6cm, metasiltstone	
20									
30	sand							N5	
40	mud		N4					sand, N5	
50							SS		
60	diat. ooze								
70								argillite, 2cm, subrounded	
80									
90									
100									
110									
120									
130	sand							N5	
140	mud		N4			clasts pres.			
150									

→ DL ✓

Expedition 341 S. Alaska Margin: U1417 B 20 4 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology: sand

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0	mud		N4			poss. clasts			
10								sand, VS	interstratified mud and sand
20	mud		N4						
30					x			sand, NS	
40									
50	mud		N4						
60					x			sand, NS	
70									
80	mud		N4						
90									
100					x				
110	mud							silty sand, NS	
120								sand, NS	
130								sand, NS	
140	mud		N4					sand, NS	
150									

Expedition 341 S. Alaska Margin: U1417 B 20H 5 172.88m CSF-A

Site: Hole: Core: Section: Top Depth:

Major Lithology: MUD Minor Lithology:

Logged by: Childress Date: June 8 2013

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0								*intermittent black mottling
10								
20								
						24- pebble		
30	mud		N4					
40								
50								
						56- pebble		
60								
70	sand/silt		N5					
80	mud		N4					
90	sand/silt sand/silt		N5 N5			89- pebble		87-92- potential bioturbation of layers?
100	mud sand/silt		N4 N5					
110							SS113 SS117	102-116: diatom? diatom ooze
120	mud		N4			119- pebble		
130								
140								
150						147- pebble		

Expedition 341 S. Alaska Margin: U1417 (Site:) B (Hole:) 20H (Core:) 6 (Section:) 174.38 m CSF-A (Top Depth:)

Major Lithology: MUD Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Childress	Date: June 8 2013
0				VOID				*intermittent black mottling *color banding (black, green)		
10	mud		N4			12- alt sed clast				
20										
30										
40										
50						49-52 pebbles				
60						63- pebble				
70	mud		N4			75- 3cm pebble				
80										
90										
100										
110										
120										
130	END									
140										
150										

Expedition 341 S. Alaska Margin: U1417 B 20H 7 175.68 m CSF-A

Site: Hole: Core: Section: Top Depth:

Major Lithology: MUD Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Childress	Date: June 8 2013
0										
10										
20	mud		N4					massive mud		
30										
40										
50										
	END							54		
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin: U1417 B 20H CC 176.22 m CSF-A

Site: Hole: Core: Section: Top Depth:

Major Lithology: MUD Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Childress	Date: June 8 2013
0	mud		N4	crack				black mottling		
10	PAL	9 14					PAL			
20										
30										
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

in DESC ✓

Expedition 341 S. Alaska Margin: U1417 B 21H 1 176.30m CSF-A

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Childress	Date: June 8 2013
0										
10				SOUPY						
20	Mud		N4							
30					30					
40										
50										
60										
70	mud		N4							
					74					
80				SOUPY						
90										
100										
110										
120	END									
130										
140										
150										

inDESC✓

Expedition 341 S. Alaska Margin: U1417 B 21H 2 177.50m CSF-A

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Childress	Date: June 8 2013
0										
10				soupy						
20	mud		N4							
30										
40										
50										
60										
	PAL	64					PAL			
70		69						69		
80										
90										
100										
110										
120										
130										
140										
150										

in DESC✓

Expedition 341 S. Alaska Margin: U1417 (Site:) B (Hole:) 22H (Core:) 1 (Section:) 178.10 m CSF-A (Top Depth:)

Major Lithology: MUD Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Childress	Date: June 8 2013
0								*intermittent black mottling - black/green color bands } ≥~60cm ⇓ diatomaceous?		
10				SOUPY						
20	MUD		N4							
30				32				* 32-150: drilling disturbance - rotational?		
40						37 - pebble				
50										
60						55, 59 pebbles				
70										
80						72, 78 pebbles				
90						92				
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin: U1417 | B | 22H | 2 | 179.60 m CSF-A

Site: | Hole: | Core: | Section: | Top Depth:

Major Lithology: Mud – INTERBEDDED SAND/SILT Minor Lithology: DIATOM BEARING MUD

Logged by: Childress Date: June 8 2013

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0								
10								
20	diatom bearing mud							
30			5GY 4/1				SS30	→ diatom bearing
40								
50								
	turbidite	54	gradational 10Y 4/1 sharp					
60		58				60 – pebbles 64		turbidite: sand to silt, normal bedding 58-150: along core contamination, slight * sandy turbidite layers
	mud							
70	inter-bedded sand and mud							
80	sand							
90	sand		N4				SS89	→ silt w/ sand turbidite
						95 – pebble		
100	patchy sand							
110						111 – pebble		
120	sand							
	sand					121 – pebble		
130	sand							
	sand							
140			O					→ 137: strange yellow altered clast
						146 – pebble		
150								

→ DL ✓

Expedition 341 S. Alaska Margin: U1417 B 22H 3 0-103

Site: Hole: Core: Section: Top Depth:

Major Lithology: interstrat. mud + sand Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-8-13 Date:
0						clasts present		interstrat. mud + sand	
10	mud		N4						
20					x			sand, 10YR 6/1	
30	mud		N4						
40									
50	◇					◇		2cm, subrounded, argillite?	
60									
70									
80					x			sand, 10YR 6/1	
			N4		x				
90								sand, 10YR 6/1	
	mud		N4						
100									
110									
120									
130									
140									
150									

→ DLV

Expedition 341 S. Alaska Margin: U1417 3 22H 4 0–61.5

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology: Sand

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-8-13 Date:
0						Clasts pres.			
10	Mud		N4						
20									
30									
40									
50								Sand 10YR 6/1	
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

→ DLV

Expedition 341 S. Alaska Margin: U1417 B 22H CC 0-30

Site: Hole: Core: Section: Top Depth:

Major Lithology:..... Minor Lithology:.....

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: HB, 6-8-13
0						clasts			
						pcs			
10	Mud		N4						
20									
	PAL					PAL		PAL	
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

in DESC✓

Expedition 341 S. Alaska Margin: U1417 | B | 23H | 1 | 182.80m CSF-A

Site: | Hole: | Core: | Section: | Top Depth:

Major Lithology: MUD Minor Lithology: Interbedded sand/mud

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Childress	Date: June 8 2013
0				void		3 pebbles 8		0-3: destroyed 3-24: slight, void		
10										
20										
30	mud		N4			28 - pebble				
40										
50	volcaniclastic mud	48	N4				SS50	48-76: along core cont., slight volcaniclastic rich mud		
	inter-bedded	53	N5							
60	sand		N5							
	mud		N4							
70	sand/silt	76	N5							
80										
90	mud									
100				102						
110			black green banding							
120			N4							
130	mud									
140										
150										

in DESC✓

Expedition 341 S. Alaska Margin: U1417 | B | 23H | 2 | 184.30m CSF-A

Site: | Hole: | Core: | Section: | Top Depth:

Major Lithology: MUD Minor Lithology: INTERBEDDED SAND/MUD

Logged by: Childress Date: June 8 2013

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0				ACC				0-101: along core cont. (ACC), slight to mod.
								6-10: bowed, slight
		>N5						
10								*all silt/turbidites, color N5
			N4					
20	mud							
30								
40								
	inter-bedded							
50	sand & mud							
	layers							
60								>ACC
				ACC				>bowed, slight
	mud							
70							SS73	→silt
80	mud							
90						89, 94 — pebbles		
100	sand/silt	101		ACC		100		
110								
120	mud		N4					117-150: black/green color layers
130								
140								
150								

→DL✓

Expedition 341 S. Alaska Margin: U1417 3 23H 3 0-102

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, Date: 6-8-13
0									
10	mud		N4					sand laminae at 19, 51 and 92 cm	
20									
30									
40									
50									
60							SS	barren mud	
70					\			silty burrow filling at 74-75 cm	
80									
90									
100									
110									
120									
130									
140									
150									

→ DL

Expedition 341 S. Alaska Margin: U1417 B 23H 4 0-72

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-8-13 Date:
0	◇					◇		2 cm agate	Subrounded
10	◇					◇		2 cm elongate	argillite
						clasts present			
20	mud		N4						
30									
33									
35								sand	
40									
50	◇		N4			◇		0.5 cm, rounded	
60	mud								
70									
80									
90									
100									
110									
120									
130									
140									
150									

→ DL ✓

Expedition 341 S. Alaska Margin: U1417 B 234 CC 0-19.5

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-8-13 Date:
0	mud		N4						
10	d.f. mud		N4						
15	PAL								
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

In DESCV

Expedition 341 S. Alaska Margin: U1417 | B | 24H | 1 | 187.50m CSF-A

Site: | Hole: | Core: | Section: | Top Depth:

Major Lithology: Mud ..... Minor Lithology: INTERBEDDED SAND/MUD

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Childress	Date: June 8 2013
0								*entire section disturbed to some degree		
				so upy		2 pebbles 7		* ~~[illegible]~~		
10										
20				along						
30										
40				core						
						43 pebbles				
50	mud w/ diatoms?		N4	cont.		50 59				
60				= destroyed						
70										
80										
90		87						* black/green color banding		
				bowed						
100	inter-bedded sand & mud layers		N4			104 - pebble				
110				along		110 - 2cm pebble				
120				core						
				cont.						
130				⇓		129 - 1cm pebble				
				mud-heavy			SS134	⇒ very fine sand (more epidote, maybe chlorite)		
140										
150										

in DESC

Expedition 341 S. Alaska Margin: U1417 | B | 24H | 2 | 189.00m CSF-A

Site: | Hole: | Core: | Section: | Top Depth:

Major Lithology: Interbedded sand & MUD Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Childress	Date: June 8 2013
0	sand		N4					*along core drag throughout, most slight to mod. (Acc)		
								*bowing randomly, slight		
10			(sand/silt layers N5)			12, 15 pebbles		*black mottling		
20			↓							
30										
40										
	mud									
50	sand			Acc heavy	47, 53					
60										
						66				
70										
80						77, 80, 85 pebbles				
90						94				
100										
110										
120							SS117.5	sand, fine grained		
130										
140										
150						147- pebble				

Expedition 341 S. Alaska Margin: U1417 B 24H 3 0-103

Site: Hole: Core: Section: Top Depth:

Major Lithology: interbedded sand + mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, Date: 6-8-13
0	interbedded sands + mud		N4			clasts present		slight bioturbation on top of some sands	
10									
20								8 sand layers ± evenly distributed, NS	
30									
40									
50									
60									
70									
80									
90							SS	barren mud	
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: 1417 B 24H 4 0-53.5

Site: Hole: Core: Section: Top Depth:

Major Lithology: interbedded sand + mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: AB, 6-8-13 Date:
0	interbedded sand + mud					clastic present			
10								- 3 sands, 10YR 6/1	
20			N4						
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 B 24H CC 0-16.5

Site: Hole: Core: Section: Top Depth:

Major Lithology: Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: AB, 6-8-13 Date:
0	mud		N4			Clasts			
10	PAL							PAL	
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

inDESCV

Expedition 341 S. Alaska Margin: U1417 | B | 25H | 1 | 192.20m CSF-A

Site: | Hole: | Core: | Section: | Top Depth:

Major Lithology: INTERLEDDED SAND/MUD Minor Lithology: MUD

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: Childress June 8 2013
0						2-10; 12cm cobble		greywacke	
10	mud		N4 (most sand layer N5)					*most sand layers likely turbidites	
20	sand								
30						30-pebble		*along core contamination throughout (slight to mod) bowing throughout (mod)	
40									
50									
60									
70									
80						80-pebble			
90									
100									
110									
120						116-pebble			
130									
140									
150									

In DESC✓

Expedition 341 S. Alaska Margin: U1417 (Site:) B (Hole:) 25H (Core:) 2 (Section:) 193.71 m CSF-A (Top Depth:)

Major Lithology: Interbedded sand/mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Childress	Date: June 8 2013
0								*along core contam. 0-150; moderate to heavy * bowing, 0-150cm, moderate		
10			N4 (most sand silt beds N5)					*sand/silt layers = turbidites		
20	mud					23				
30	sand/silt					pebbles	SS35	sand => turbidite		
40						41 45				
50										
60										
70						70- pebble				
80										
90										
100										
110										
120										
130						129- alt. sed. clast				
140										
150										

→ DL ✓

Expedition 341 S. Alaska Margin: U1417 B 25H 3 0-82

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0								laminated mud	
10	mud		N4						
20									
30									
40									
50									
59									
60	ash	Δ						7.5YR 4/2	
62									
70	mud		N4						
80									
90									
100									
110									
120									
130									
140									
150									

→ DL ✓

Expedition 341 S. Alaska Margin: U1417 B 25H CC 0–27

Site: *Hole:* *Core:* *Section:* *Top Depth:*

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0									
10	Mud		N4						
20									
23	PAL								
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

in DESC ✓

Expedition 341 S. Alaska Margin: U1417 | B | 26H | 1 | 196.90m CSF-A

Site: | Hole: | Core: | Section: | Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Childress	Date: June 8 2013
0										
10						?- pebble				
20	mud		N4					→ soupy, along core cont. ⇒ heavy		
30										
40	END									
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin: U1417 | B | 26H | CC | 197.30 m CSF-A

Site: | Hole: | Core: | Section: | Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Childress	Date: June 8 2013
0										
10	mud		N4	L		4, 7 pebbles		along core cont., heavy		
20								22		
	PAL						PAL			
30								27		
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin: U1417 B 27H 1 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, Date: 6-8-13
0								6 cm, elongate, sub-rounded, argillite	
10									
20									
30				lisly					
40	mud		N4						
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

about core contamination (upward flow)

Expedition 341 S. Alaska Margin: U1417 B 27H 2 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-8-13 Date:
0									
10									
20									
30									
40	mud		D4	along core contact, bits					
50									
60									
70									
80									
90									
100									
110								massive mud	
120									
130	mud		D4						
140									
150									

Expedition 341 S. Alaska Margin: U1417 B 27H 3 0-102

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: AB, 6-8-13 Date:
0									
10								massive mud	
20									
30	mud		N4	alters core cent. loc3					
40									
50									
60									
70									
80									
90			N4				SS	diatoms, traces	
99 100								dark green 5GY 4/3	
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 B 27H 4 0-75.5

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, Date: 6-8-13
0							SS	587 413, distorted traces	
3									
10								massive mud	
12									
20									
30	mud		N4						
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

DESC✓

Expedition 341 S. Alaska Margin: U1417 | B | 27H | CC | 202.24m CSF-A

Site: | Hole: | Core: | Section: | Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Childress	Date: June 8 2013
0	silt							*black mottling		
10			N4	VOID						
20	mud			VOID	21-22					
30	PAL						PAL	27 32		
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

→DL ✓

Expedition 341 S. Alaska Margin: U1417 B 28H 1 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: interbedded sand + mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-8-13 Date:
0						clasts fs, present			
	mud								
10								sand, turbidite	
20									
30									
40									
50			N4						
60									
70									
80									
90									
100									
110									
120									
130	◇					◇		subrounded, 0.5 cm	
140									
150									

→ DLV

Expedition 341 S. Alaska Margin: U1417 B 28 2 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology: sand

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-8-13 Date:
0								massive mud	
10									
20									
30									
40									
50									
60									
70									
80							SS		
90									
100								sand, turbidite	
110									
120								sand, turbidite	
130									
140									
150									

DESCV

Expedition 341 S. Alaska Margin: U1417 B 28H 3 205.20 m CSF-A

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Childress	Date: June 8 2013
0								0-76: clast drag		
10										
20						21-pebble				
30	mud		N4							
40						43-46: 3cm pebble				
45	turbidite		N6							
50	turbidite		N6			47- 2cm pebble				
52										
60	mud		N4							
70						73-pebble				
75								75		
80										
90										
100								100		
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin: U1417 (Site) B (Hole) 28H (Core) 4 (Section) 205.20 m CSF-A (Top Depth)

Major Lithology: MUD Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Childress	Date: June 8 2013
0	mud		N4							
10	turbidite	11, 13						11-13: silt/sand		
	mud									
20	turbidite	22, 27	5YR 4/1			24-pebble	SS25	22-27: sand to fine silt 25-28: along core cont. (slight to mod) small clast drag: 27-76 cm volcaniclastic bearing sand		
30										
40										
50	mud		N4							
60										
70										
								76		
80										
90										
100										
110										
120										
130										
140										
150										

DESCV

Expedition 341 S. Alaska Margin: U1417 (Site) B (Hole) 28H (Core) CC (Section) 206.96 m CSF-A (Top Depth)

Major Lithology: Mud Minor Lithology:

Logged by: Childress Date: June 8 2013

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0								black mottling
				crack				
10				crack				
	mud		N4					
				crack				
20								
30	PAL						PAL	
40								
50								
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								

→ DLV

Expedition 341 S. Alaska Margin: U1417 B 29H 1 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-8-13 Date:
0						clasts present, fs, b>2mm		massive mud	
10	mud		N4						
20								granule	
30									
40									
50									
60									
70									
80									
90								turbidite	
100									
110									
120									
130									
140									
150									

-DL✓

Expedition 341 S. Alaska Margin: U1417 B 29H 2 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JB, 6-8-13 Date:
0						clasts			
	mud		N4			rare sand, fs, >2mm		massive mud	
10									
20									
30									
40									
50									
60									
70									
80									
90									
100							SS	turbidite	
110									
120								turbidite	
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 | B | 29H | 3 | 209.90m CSF-A

Site: | Hole: | Core: | Section: | Top Depth:

Major Lithology: Mud Minor Lithology:

Logged by: Childress Date: June 8 2013

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0						-no clasts		0-30: surface disturbance = small texture change?
10								
20	mud		N4					
30								
35	gradational							
40								
50								
60								
70	mud		N4					drilling disturbance? - "spiraling"? *massive mud, difficult to see
80								
90								
100								
110								
120								
130								
140								
150								

Expedition 341 S. Alaska Margin: U1417 (Site) B (Hole) 29H (Core) 4 (Section) 211.01 m CSF-A (Top Depth)

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Childress	Date: June 8 2013
0	mud		N4			no clasts				
	turbidite	6–9						silty turbidite		
10										
	mud		N4							
20	gradational							23–58: surface disturbed ⇒ small texture change?		
30										
40							SS40	→ mud only, no trace fossils even!		
50										
				VOID	56					
60								58		
70										
80										
90										
100										
110										
120										
130										
140										
150										

Expedition 341 S. Alaska Margin: U1417 | B | 29H | CC | 211.59 m CSF-A

Site: | Hole: | Core: | Section: | Top Depth:

Major Lithology: ..... Minor Lithology: .....

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Childress	Date: June 8 2013
0						no clasts				
								surface disturbed => texture change?		
10	mud		N4							
								16		
20	PAL						PAL	21		
30										
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

DESCV

Expedition 341 S. Alaska Margin: U1417 (Site) B (Hole) 30H (Core) 1 (Section) 211.60 m CSF-A (Top Depth)

Major Lithology: INTERBEDDED SAND/MUD Minor Lithology:

Logged by: Childress Date: JUNE 8 2013

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0						2-3: 1cm pebble		
								0-150: along core: slight to mod.
								" : bowed, slight to mod.
10	mud		N4 ↓			12 pebble		
20	sand							
30						31 pebble		
40								
50							SS54	silt, no bio
60								
70								
80						82 pebble		
90								
100						106 pebble		
110								
120								
130								
140						138-pebble		
150								

Expedition 341 S. Alaska Margin: U1417 (Site) B (Hole) 30H (Core) 2 (Section) 213.10 m CSF-A (Top Depth)

Major Lithology: LAMINATED SAND/MUD Minor Lithology:

Logged by: Childress Date: June 8 2013

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other
0								0-141 along core contamination, moderate to heavy
10	mud		N4 ↓			8 9(2x) pebbles		
15	silt							
20						24		
30								
35	sandy silt							
40								
45								
50								
55								
60								
65						64 - pebble		
70								
80								
90								
95						95 - pebble		
100								
110								
120								
130								
140								
150								

→ DL ✓

Expedition 341 S. Alaska Margin: 1417 B 3oH 3 0-66.5

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology: sand

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-8-13 Date:
0									
10	mud		N4						
20									
30									
40								ash, 7.5YR 4/2	
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

-DLW

Expedition 341 S. Alaska Margin: U1417 B 30H CC 0-26

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-8-13 Date:
0									
10	mud		N4						
20	PAL								
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 (Site) B (Hole) 31H (Core) 1 (Section) 216.30m CSF-A (Top Depth)

Major Lithology: Mud interbedded with Minor Lithology: Sand / silt

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 9.6.13
0	Mud		N4	Moderately bioturbed (increasing with increasing depth)					
10			10Y4					12-16cm silty layer = very fine sand irregular upper boundary, sharp lower boundary	
20									
25	Mud		N4						
30									
40									
50									
60			10Y5					silt/sand layer @ 66cm sharp lower boundary	
70									
80	Mud		N4						
90								silty sand layer @ 96 cm sharp lower boundary	
100			N4						
105			10Y5					sharp lower boundary @ 105cm tilted	
110									
120	Mud		N4						
130									
135			10Y5					sharp lower boundary @ 134 cm	
140	Mud		N4						
150									

Expedition 341 S. Alaska Margin: U1417 B 31H 2 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: MF Date: 09/JUN/13
0								0-63.5	
			N4					*interbedded mud with sand	
10			MTDs					*MTDs at 30, 44 (<2cm)	
			4 10Y					↳ sandy/silty	
20			5/1					63.5-75	
30								* ash	
								*surrounded by generally	
40								lighter & more bioturbated	
								sediments	
50								* sharp lower boundary	
								* silty with some sand	
60								75-150	
	ash								
70								* interbedded mud with sand	
								*MTDs 121, 130, 137 (<3cm)	
80								↳ sandy/silty	
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 B 31H 3 0-136

Site: Hole: Core: Section: Top Depth:

Major Lithology: Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: MF Date: 09/JUN/13
0			N4					0-136	
10			MTDs 6 104 5/1					* interbedded mud with sand	
								* MTDs at 14, 32 (4 cm), 52, 60, 78	
20								* sand clast along lines well around 58 cm	
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 B 31 CC 0 - 30.5 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 9.6.'13
0									
10	mud		N4					massive mud	
20									
30	X						PAL	30.5 - 36 cm	PAL sample
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 B 32H 1 0-88

Site: Hole: Core: Section: Top Depth:

Major Lithology: Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: MF 09/JUN/13
0			N4					0-88	MTD = mass-transport deposit
10								* interbedded mud with sand	
20								*MTDs at 8-12, 34-38, 58-59, 66, 79, 84-87	
30								↳ sandy/silty	
40				see ↳				*MTDs generally N4, but MTD at 79 has 5Y 4/1	
50								* some pull-down along liner walls	
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 B 32H CC 0-32

Site: Hole: Core: Section: Top Depth:

Major Lithology: Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: MF 01/JUN/13 Date:
0								0-25	
								* interbedded mud with sand	
10								* MTD at 18-20	
								↳ sandy/silty	
20								↳ 5Y 4/1	
30								25-32	
								Sample PAL	
40				see ↳				* some pull-down along lines wall	
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 B 33 (last H) 1 0 - 117 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 9.6.'13
0									
10	mud		N4						
								silty layer @ 27 cm	
20								26-59 cm brownish silty mud with several clasts of varying lithology (granitoids, metasedi)	
30								clast @ 40 cm Ø 1 cm	
40			5Y 4/1					- pyrite coated clast @ 49 cm Ø 2 cm, well rounded (in WT)	
50								- clast @ 56 cm, Ø 2.5 cm	
60				bioturb.				- clast @ 60 cm, Ø 1 cm, well rounded	
70									
80								- 2 clasts @ 79 cm Ø 0.5 cm	
90			N4					- silt layer @ 91 cm	
100									
110								silt layer @ 106 cm	
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 B 34X 1 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: MF Date: 09/JUN/13
0			N4					0-12.5	
10								* silty mud * slightly more brown * irregular lower boundary	
20									
30								12.5-150	
40								* interbedded mud with sand strata & lithic & sediment clasts	
50								* sandy intervals slightly browner or lighter	
60								* generally sharp lower boundaries * sharp to gradational upper boundaries	
70								* coarser strata at 19.5-24, 38, 50-52, 80-83, 92-95, 102, 103, 122.5, 136, 142, 147-150	
80									
90									
100				see				Deformation:	
110				↳				cracks: 22.5; 52-53; ? biscuiting at: 22.5, 52, 93, 142 above 22.5 probably fall in	
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 B 34X 2 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: VF Date: 09/JUN/13
0								0-150	
								* interbedded mud with sand strata & lithic and sediment clasts	
10									
								* sandy intervals slightly browner & lighter	
20									
								* generally sharp lower & sharp to gradational upper boundary	
30									
								* coarser strata at:	
40								2, 11.5, 21-23, 36, 40, 48, 52,	
								71.5, 82, 92, 100-102.5, 129	
50									
								* at 40: very fine sand, poorly sorted	
60									
70									
				see				Deformation:	
80				↳					
								biscuiting at: 22, 36, 102 but probably also in between	
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 B 34X 3 0–150cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology: silty sand

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 9.6.13
0									
	mud		N4					clast @ 16.5 cm, Ø 1 cm	
10									
20									
								all layers with sharp lower contacts, (poorly sorted)	
30									
								sandy/silty layer @ 43 cm	
40									
								sandy/silty layer @ 52 cm	
50									
								sandy/silty layer @ 61 cm	
60			N4						
								--- @ 68 cm	
70									
								--- @ 78 cm	
80								--- @ 86 cm	
90									
100									
			N4						
110									
120									
130								clast @ 130 cm, Ø 1 cm	
								sandy/silty layer @ 136 cm	
140									
150									

Expedition 341 S. Alaska Margin: U1417 B 34X 4 0 – 150 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology: silty sand

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 9.6.13
0								silty layer @ 2 cm	
10									
20			N4						
30									
40									
50									
60									
70								silty layer @ 68 cm	
80									
90									
100								silty/sandy layer @ 100.5 cm	
110									
120									
130									
140									
150								silty/sandy layers @ 146 cm	

slightly disturbed (biscuits, sows)

Expedition 341 S. Alaska Margin: U1417 (Site) B (Hole) 34X (Core) 5 (Section) 0-88cm (Top Depth)

Major Lithology: Mud Minor Lithology: silty sand

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 9.6.13
0									
10	Mud								
20			N4					silty layer @ 17 cm 26-28cm distorted sand	
30								silty layer @ 29 cm	
40								silty layer @ 39 cm	
50	Mud								
60									
70									
80									
90								silty layer @ 86-88cm	
100									
110									
120									
130									
140									
150									

Drilling disturb. / Slight bound

Expedition 341 S. Alaska Margin: U1417 B 34X CC 0-45cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: JM 9.6.13
0									
				↓				massive mud	
10	mud								
				Slight					
20			N4						
								silty sand layer @ 28 cm	
30				← slight				31.5 cm	
								— " —	
40								— " — 40 cm (biscuit)	
							PAL	45-50 cm sample	
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 B 35X 1 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: IF 09/JUN/13 Date:
0								0-150	
10			N4					* interbedded mud with strata of mud and sand, as well as mud and sand clasts	
20								* interbedded strata slightly more brownish or lighter	
30								* strata location: 28.5-31, 90.5-92.5, 115, 128	
40								* brittle surface between 68-81	
50								* occasionally slight colour changes ↳ real or drilling disturbance	
60									
70									
80								NB! DRILL BIT FOUND AT 92.5 CM IN WORK HALF	
90				see ↳				Disturbance:	
100								* some biscuiting ↳ clearly visible at 81-83 & 90.5-92.5	
110									
120								* flow-in of sand from 90.5-82 ↳ upward flow-in	
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 B 35X 2 0-106

Site: Hole: Core: Section: Top Depth:

Major Lithology: Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: MF 09/JUN/13
0								0-106	
			N4					* interbedded mud with muddy and sandy strata → generally finer than strata in shallower sections	
10									
20								* strata slightly more brownish	
30								* strata at: 14, 22, 31, 36, 39, 60	
40									
50								* lamination at: 3-4, ~59	
								* scattered occurrence of slightly coarser lens	
60									
70									
80				see ↳					
90								Disturbance: * biscuiting	
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 B 35X CC 0-31

Site: Hole: Core: Section: Top Depth:

Major Lithology: Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: MF Date: 09/JUN/13
0									
1			N4					0-26	
10								* mud	
20								* some slightly coarser lens	
30								* clast at 4-5 cm, probably meta sediment	
40								26-31	
50								Sample PAL	
60									
70									
80									
90				see ↳				Deformation:	
100								biscuits	
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 B 36X 1 0-111 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 9.6.13
0								upper 48 cm brittled/bis-cuited mud	
10	just mud		N4					slightly higher silt content	
20								silty layers @ 57, 63, 55.5 cm	
30									
40									
50								some sands & biscuits	
60									
70								clast @ 69 cm, ϕ 1 cm	
80			N4						
90									
100									
110								107-111 cm biscuit	
120									
130									
140									
150									

Drilling disturb.: ↓ moderate to heavy

Expedition 341 S. Alaska Margin: U1417 B 36X 2 0-58 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 9.6.13
0								top 1st cm bismit slightly silty	
10									
20	mud		N4					Clasts @ 19 & 22 cm ϕ 0.5 cm	
30									
40								silt lense @ 38 cm silty layer @ 44 cm	
50									
60				X				58-60 cm void	
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 B 36X CC 0-43cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 9.6.13
0									
								massive mud	
10	mud		N4	slight swirling					
20									
30								silty sand lenses @ 35cm	
40				void				39-43cm void	
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 B 37X 1 0-151

Site: Hole: Core: Section: Top Depth:

Major Lithology:..... Minor Lithology:.....

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: MF 09/JUN/13
0			N4	BISCUITS ALL THE WAY (5-22cm)				0-150	
10								* mud	
								* slight colour banding	
20								* occasional mud flows (< 5 mm high; < 1.5 cm wide)	
30								↳ bioturbation?	
40									
50									
60					1			some flow-in between biscuits	
70									
80								FIRST CORE	
90									
100								CUT WITH	
110								SAW !	
120									
130								↳ Bioturbation better visible than in cores cut with knifes	
140								↳ sediment "almost" lithified still shapable	
150									

Expedition 341 S. Alaska Margin: U1417 | B | 37X | 2 | 0-150

Site: | Hole: | Core: | Section: | Top Depth:

Major Lithology:..... Minor Lithology:.....

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: IF 09/JUN/13
0								0-13.5	
			5Y 3/1		0			*Mud with sand	
10									
20								13.5-150	
			N4					* Mud	
30								* Some mud lenses (<5mm high, <3cm wide)	
40									
50									
					1				
60									
70				BISCUITS ALL THE WAY					
80								47-64	
90								↳ could some of the biscuits be reworked material?	
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 B 37 X 3 0 – 63cm

Site: *Hole:* *Core:* *Section:* *Top Depth:*

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 9.6.13
0				X				0–2.5cm void	
10								section throughout biscuited	
20	mud		N4		~~1-2~~ slight			in-between biscuits flowing	
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: 41417 B 37X CC 0-30.5cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 9.6.13
0									
10	mud		N4		1			flow in @ 12.5 cm & 23 cm & 27 cm where sigs	
20									
30	X			PAL				30 - 35 cm sample	
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 B 38X 1 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology:..... Minor Lithology:.....

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: MF 09/JuN/13
0			N4	BISCUITS (slight to moderate)				0-150:	
10								* slightly bioturbated mud with intercalation of muddy diamicts up to 3.5 cm thickness	
20								muddy matrix & up to gravel-sized clasts; clast e.g. greenstone, meta sandstones, meta siltstones, quartz; clasts are sub-angular to sub-rounded);	
30									
40									
50									
60									
70								* muddy diamicts have typically gradational lower boundaries & sometimes sharp upper boundaries	
80								* increased bioturbation between 110-120	
90								* 129-132: similar to 0-12.5 in section 2 in core 37X?	
100									
110								* 92-99: → heavily disturbed	
120									
130								Major lithology: interbedded mud and diamict	
140									
150									

Expedition 341 S. Alaska Margin: U1417 B 38X 2 0-150cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 9.6.13
0								diamict-rich mud throughout	
10								clast @ 9cm, ϕ 0.5 metased.	
	mud		N4					clast @ 16.5cm ϕ 0.5cm	
20								clasts of various lithologies (metasediment/igneous)	
30					sligt				
					1			(coarse to fine sand clasts in mud/clay matrix)	
40									
50								fine sandstone concretion @ 86cm	
60									
70									
80									
90									
100									
110								115cm: nice bioturbation/burrow	
120									
130									
140									
150									

Sisanikes, ϕ 6cm tubes no clasts

Expedition 341 S. Alaska Margin: U1417 B 38X 3 0-81

Site: Hole: Core: Section: Top Depth:

Major Lithology:..... Minor Lithology:.....

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: JF 09/JUN/13
0								0-82:	
10			N4					+interbedded mud with diamicton	
20								↳ see Sed. 1 for details	
30								5.5-6.5: concretion of silty sand	
40									
50									
60									
70					↑				
80									
90									
100									
110				Biscuits all the way (moderate to high)					
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 B 38X CC 0-19 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: MF Date: 09/JUN/13
0								0-13:	
10			N		1			* interbedded mud with diamicton	
20								↳ see sect. 1 for details	
								13-19:	
30								SAMPLE (PAL)	
40									
50									
60									
70				Biscuits (moderate to high)					
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: 41417 B 39X 1 0-150 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 9.6.13
0				moderately drill				0-25 cm biscuits, flow-in	
10	mud							11-18 cm diamict (clast poor) hard to say due to flow-in	
20								clast @ 24 cm, ϕ 0.5 cm	
30			N4	sorted				clast @ 30.5 cm, ϕ 1 cm	
40								40->44 cm heavily fractured/biscuited interval	
50									
60				heavily drill. (shattered)					
70					slight				
80									
90	mud								
100									
110				flow-in, biscuits, sorts				diamict layer (clast-poor) @ 108 cm, 0.5 cm thick	
120									
130								diamict layer (clast poor) @ 128 cm, 0.5 cm thick	
140									
150								clast @ 148.5 cm; ϕ 1 cm	

Expedition 341 S. Alaska Margin: U1417 B 39X 2 0 – 150 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology:..... Minor Lithology:.....

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 9.6.13
0									
10								mud	
20	mud								
30									
40			N4 to 5Y 4/1	slight to moderate					
50	•							clast @ 46 cm, Ø 1 cm, rotated	
60									
70	mud								
80					slight				
90									
100	•							clast @ 103 cm, 0.5 cm Ø	
110									
120	mud								
130				Siderites, bows, flowages				130 – 139 cm diamict (clastrich) (somehow distorted) gradational lower contact	
140									
150									

5GY 4/1

Expedition 341 S. Alaska Margin: U1417 B 39X 3 0 - 143cm

Site: Hole: Core: Section: Top Depth:

Major Lithology:..... Minor Lithology:.....

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 9.6.'13
0									
10	mud								
20			N4					between 18-20cm diamict (clast-poor) disturbed	
30			to						
35			5GY 4/1		slight			diamict layer @ 35.5cm, 0.5cm thick (clast-rich)	!
40								-"- @ 38.5-40.1cm (clast-rich), sharp upper boundaries	!
45									
50								clasts @ 46-47cm, ø 0.5cm	
60	diamict		N4					clast @ 62-64cm, 2cm ø	*
65								56-66cm diamict (clast-poor)	
70									
80								72-84cm diamict but disturbed clast-poor	
90								flow in, sissmits etc.	* metasediment
100	mud		N4					101-113cm grains (maybe clast poor diamict ?) disturbed	
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: 41417 B 39X CC 0-33cm

Site: Hole: Core: Section: Top Depth:

Major Lithology:..... Minor Lithology:.....

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 9.6.13
0	mud			fractured				0 - 13 cm disturbed (broken) flow-in ~~mud~~ heavily	
10	diamict							13 - 18 cm clast-poor diamict (grad. contact)	
20	mud		N4					clast @ 24.5 - 26.5 cm, ø 2 cm black siltstone	
30								28 - 29 cm diamict (clast-poor) layer	
40							PAL		
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 B 40X 1 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: HF 09/JUN/13
0			N4	BISCUITS ALL THE WAY (moderate)	1 sight			0-150	
10								* interbedded mud and diamict → see 38X sect. 1 for details	
20								* two lonestones at core top (meta sediments)	
30								* larger recurrence of diamicts intervals compared to cors further up	
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 B 40X 2 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology:..... Minor Lithology:.....

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: MF 09/JUN/13
0			N4	Biscuits all the way (moderate)	R moderate			0-150	
10								* interbedded mud and diamict → see 38X sect 1 for details	
20									
30								* increasing recurrence intervals of diamicts	
40								* increasing bioturbation down core	
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 B 40X 3 0-108

Site: Hole: Core: Section: Top Depth:

Major Lithology:..... Minor Lithology:.....

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: JF 09/JUN/13
0			N4					0-108	
10								∀ interbedded mud and diamict ↳ see 38X sect. 1 for details	
20									
30									
40					2				
50				Biscuits all the way (moderate)					
60					moderate				
70									
80									
90								91-97: clast; meta sediment (?)	
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 B 40X CC 0-27

Site: Hole: Core: Section: Top Depth:

Major Lithology:..... Minor Lithology:.....

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: PF 09/JUN/13
0								0-22:	
10			N4					* interbedded mud and diamict	
								↳ see 38X sect 1 for details	
20								22-27:	
30								SAMPLE PAL	
40									
50					2				
60				Biscuits all the way [moderate]	moderate				
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: 41417 B 41X 1 0 – 151 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology:..... Minor Lithology:.....

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 9.6.13
0									
10	mud		4N	biscuits moderate				interbedded diamict & mud "last" diamict layer @ 11 cm (clast poor)	
20								~~mod. to~~ high disturbance between 20 & 44 cm	
30				sorex / fract. / biscuit					
40									
50	mud		5GY 4/1					mud greenish high clay content	
60				high					
70									
80				fract. / biscuit	moderate			78–85 cm nice biscuit with high bioturbation ↳ rods present coated (Fe-oxide?), broken-up mud with sand (5%) (large biotites, large lithic grains)	
90									
100									
110									
120					!!! nice burrows				
130									
140				biscuited moderate					
150									

Expedition 341 S. Alaska Margin: U1417 B 41X 2 0 - 95 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 9.6.13
0									
10								lots of biscuits, wash-in, boring	
20									
30	clay/ mud		5GY 4/1					32 cm barren mud (SS)	
40				moderate to high					
50									
60					moderate 1-2				
70									
80									
90				slight to mod.					
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 B 41X CC 0 - 41 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: M-d Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 9.6.'13
0								0-6 cm biscuit	
								6-35 cm boring	
10	mud				mod. 2-3			35-41 cm boring	slight/mod. drill disturb.
20				boring					
30								all clayey mud !!! nice surrours !!!	
40	X		5GY 4/1				PAL	41-46 cm PAL sample	
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 B 42X 1 0-150cm

Site: Hole: Core: Section: Top Depth:

Major Lithology:..... Minor Lithology:.....

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 9.6.'13
0									
10									
					1-2				
20									
	mud (clay-rich)		5GY 4/1						
30									
40									
								47 - 51.5cm silty interval (no sed!) sandy mud, poorly sorted with diatoms	
50									
60								~~silty~~ fine/sand layer @ 63cm medium	
70	sand				0			64 - 84cm sand interval mud lenses & different lith. fragments → rip-off clasts?	
80									
90									
100	clay rich mud			biscuits, flow-in (high disturbance)	slight				
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: 41417 B 42X 2 0-72cm

Site: Hole: Core: Section: Top Depth:

Major Lithology:..... Minor Lithology:.....

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 9.6.13
0	mud			Leavy				0-8cm fractured/cracked	
10								8-10cm sand layer	
	clay-rich		5GY		0-1			10-28cm clay-rich mud	
20	mud		4/1						
30								fine ~~medium~~-sized sand, silt	
	sand				0			diatoms present, poorly sorted	
40								big sands (chlorite, biotite)	
50	clay mud							48-72cm clay-rich mud	
					0			biscuited	
60									
70									
80				Biscuited, cracked (heavy)					
90									
100									
110									
120									
130									
140									
150									

Expedition 341 S. Alaska Margin: U1417 B 42X CC 0-22cm

Site: Hole: Core: Section: Top Depth:

Major Lithology:..... Minor Lithology:.....

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: JM Date: 9.6.13
0	mud		5gy 4/1					0-7cm bioturbated mud	
10	sand							sand-interval 7-18cm bioturbated, ~~medium~~ fine-sized grain sand	
20	mud								
	X						PAL	22-28cm sample	
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

DESCV
Core summary

Expedition 341 S. Alaska Margin: U1417 (Site:) B (Hole:) 43X (Core:) 1 (Section:) 310.30m CSF-A (Top Depth:)

Major Lithology: MUD Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Childress	Date: June 9 2013
0				BISCUIT	*sparse evidence of burrowing throughout ↓					
10	mud		N4		14					
20				BRECCIATED	25					
30				BISCUITED			32	with diatoms (mud)		
40										
50										
60					64					
70				BRECCIATED & FLOWIN						
80										
90										
100										
110										
120					122					
130	diatom rich mud	127	5Y, 4/1	BISCUITED						
140										
150										

DESCV

Expedition 341 S. Alaska Margin: U1417 (Site:) B (Hole:) 43X (Core:) 2 (Section:) 311.80 m CSF-A (Top Depth:)

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Childress	Date: June 9 2013
0	diatom rich mud ↓		5Y, 4/1	biscuit	*sparse, but evident throughout					
10										
20										
30										
34			gradational							
40	mud ↓		N4*	BRECCIATED & FLOW IN				w/ color banding of 5G-/1, 4/1		
50										
60										
70										
80										
90										
100				BISCUIT						
110										
120										
130		134		FALL OVER						
140	diatom rich mud		5Y, 4/1							
150										

DESCV

Expedition 341 S. Alaska Margin: U1417 B 43X 3 313.30 m CSF-A

Site: Hole: Core: Section: Top Depth:

Major Lithology: MUD Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Childress	Date: June 9 2013
0	diatom rich mud		5Y, 4/1		* present throughout					
10										
20				BISCUIT						
30										
40										
50										
60				62						
70										
80										
90										
100							SS102	diatom rich		
110				BRECCIATED & FLOW IN						
120										
123										
130	mud		N4	BISCUIT FLOW IN						
140										
142	END						END			
150										

Expedition 341 S. Alaska Margin: U1417 (Site:) B (Hole:) 43X (Core:) CC (Section:) 314.72 m CSF-A (Top Depth:)

Major Lithology: MUD Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Childress	Date: June 9 2013
0	diatom rich mud		5Y, 4/1	B	burrow 2 3			*bioturbation obvious, mostly burrows.		
10				I						
				S						
				14						
20	mud		N4	C						
				U						
				I						
				27						
30	diatom rich mud		5Y, 4/1	T						
40								42		
	PAL						PAL			
50								47		
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

→ DLV

Expedition 341 S. Alaska Margin: U1417 B 44X 1 0-150

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: GB, 6-9-13 Date:
0								most biscuit length 6-14 cm	
10								laminated, colour banding	
20			N4						
30	mud								
40									
50				Zoophycos	moderate				
60									
64									
70	diat. b- mud		N6						
77							SS	horizontal burrows; zoophycos? type	
80									
81									
90									
100	mud		N4	section biscuited					
110									
120									
130									
140									
150									

→DLV

Expedition 341 S. Alaska Margin: U1417 B 44X 2 0-145

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, Date: 6-9-13
0								non biscuit Sec	
10									
20									
30									
40									
50	mud		N4						
60									
70				moderately biscuits	moderate				
80									
90									
100									
110									
120									
130									
140									
150									

→DL

Expedition 341 S. Alaska Margin: U1417 3 44X 3 0-94

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: AO, 6-9-13 Date:
0								max. biscuit length: 17cm	
10			N4						
20									
30	mud diat. foos.								
40							SS		
50			N5-N4						
60									
70									
80									
90				biscuits, moderate	bioturb. moderate				
100									
110									
120									
130									
140									
150									

→ D2 ✓

Expedition 341 S. Alaska Margin: U1417 B 44X CC 0-17

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: AB, 6-9-13 Date:
0	mud		10GY 5/1	mod.	biscuit			biscuits 5cm	
10									
12	PAL								
17									
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

DESC✓
Core Summary✓

Expedition 341 S. Alaska Margin: U1417 B 45X 1 329.70 m CSF-A

Site: Hole: Core: Section: Top Depth:

Major Lithology: MUD Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Childress	Date: June 9 2013
0				B I S C U I T ↓	moderate ⇓ some burrow evidence					
10										
20							SS20	mud (no bio)		
30										
40										
50	mud		N4							
60										
70				↓						
80										
90										
		96						96-104: fine sand, poorly sorted (w/silt)		
100	sand				none		SS102			
		104								
110	mud		N4	↓	slight burrow evidence					
	gradational	113								
120										
130	diatom rich mud		5Y, 4/1							
140										
150				↓						

DESC'

Expedition 341 S. Alaska Margin: U1417 B 45X 2 331.20 m CSF-A

Site: Hole: Core: Section: Top Depth:

Major Lithology: MUD Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Childress	Date: June 9 2013
0					slight					
	diatom rich mud			B	↓					
10			5Y, 4/1	I						
				S						
20				C						
				U						
30				I						
				T						
40				↓						
50										
60	diatom rich mud		5Y, 4/1		burrow		SS60	diatom rich mud		
70				↓						
80	END							77		
90										
100										
110										
120										
130										
140										
150										

DESA ✓

Expedition 341 S. Alaska Margin: U1417 B 45X CC 331.97 m CSF-A

Site: Hole: Core: Section: Top Depth:

Major Lithology: MUD Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Childress	Date: June 9 2013
0	diatom rich mud		5Y, 4/1	BISCVIT	trace					
10										
	PAL						PAL			
20										
30										
40										
50										
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										

→ DL ✓

Expedition 341 S. Alaska Margin: U1417 B 46X 1 0–150

Site: Hole: Core: Section: Top Depth:

Major Lithology: wood Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-9-13 Date:
0								biscuit way. 22 cm	
10								a lot of zoophycos type	
20				biscuited from soft, moderate				burrows ±horizontal	
30								in the soil.	
40	dark								
50	wood		icy 5/1				CS		
60					moderate				
70									
80									
90									
100									
110									
120									
130									
140									
150									

→ DL ✓

Expedition 341 S. Alaska Margin: U1417 B 46X 2 0-153.5

Site: Hole: Core: Section: Top Depth:

Major Lithology: Wwd Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: HB, 6-9-13 Date:
0								biscuit occ. 10 cm	
10									
20									
30									
40	Wwd		10GY 5/1						
50									
60					bioturbated, moderate				
70									
80									
90									
100				slightly biscuited					
110									
120									
130									
140									
150									

→ DL ✓

Expedition 341 S. Alaska Margin: U1417 B 46X CC 0-40

Site: *Hole:* *Core:* *Section:* *Top Depth:*

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date: HB, 6-9-13
0									
10									
20	mud		10Y 5/1	very sheared	moderate				
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									

→ DL ✓

Expedition 341 S. Alaska Margin: U1417 3 47X 1 0-79 cm

Site: Hole: Core: Section: Top Depth:

Major Lithology: mud Minor Lithology:

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: AB, 6-9-13 Date:
0									
10									
20	diatom ooze								
30	mud		10GY5/1						
40									
50									
60									
63	sand	*	5GY3/1					volcaniclastic sand	
67								* low angle x bedding	
70									
80				bioturbitus	stones				
90									
100									
110									
120									
130									
140									
150									

> DLV

Expedition 341 S. Alaska Margin: U1417 B 47x CC 0-32

Site: *Hole:* *Core:* *Section:* *Top Depth:*

Major Lithology:..... Minor Lithology:.....

Offset (cm)	Lithology	Sed. Structures	Color	Drilling disturb.	Bioturb.	Accessories: (i.e. - shells, worm tubes, clasts, etc.)	Samples	Core Description: comments, contacts, recommended photos, other	Logged by: Date:
0									
10	mud		10gY5/1	S.S.	S.S.				
20									
26									
30	PAL								
32									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									